DSLR-A500/A550

SERVICE MANUAL

LEVEL 3

Ver. 1.1 2009.09

Revised-1

Replacement of the previously issued SERVICE MANUAL 9-852-725-11 with this manual.

Photo: DSLR-A550/ORIGINAL BLACK

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Japanese Model

Link

- **BLOCK DIAGRAMS**
- **FRAME SCHEMATIC DIAGRAMS**
- **SCHEMATIC DIAGRAMS**
- **PRINTED WIRING BOARDS**
- **ELECTRICAL PARTS LIST**

- **Check the SERVICE NOTE (LEVEL 2) before the service.**

DIGITAL SINGLE LENS REFLEX CAMERA

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SONY®

DSLR-A500/A550_L3
9-852-725-12

Sony EMCS Co.

2009I0500-1
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Published by Tokai TEC

Revision History

Ver.	Date	History	Contents
1.0	2009.08	Official Release	—
1.1	2009.09	Revised-1 (A1 09-234)	• Revision of Schematic Diagrams S.M. revised: Page 6-41

CHEMICALS

Some chemicals used for servicing are highly volatile.
Their evaporation caused by improper management affects your health and environment, and wastes resources.
Manage the chemicals carefully as follows.

- Store chemicals sealed in a specific place to prevent from exposure to high temperature or direct sunlight.
- Avoid dividing chemicals into excessive numbers of small containers to reduce natural evaporation.
- Keep containers sealed to avoid natural evaporation when chemicals are not in use.
- Avoid using chemicals as much as possible. When using chemicals, divide only required amount to a small plate from the container and use up it.

EXTERIOR PARTS

Be careful to the following points for plastic parts used in this unit.

- Use a piece of cleaning paper or cleaning cloth for cleaning plastic parts. Avoid using chemicals.
  Even if you have to use chemicals to clean heavy dirt, don't use paint thinner, ketone, nor alcohol.
- Insert the specific screws vertically to the part when installing a plastic part.
  Be careful not to tighten screws too much.

Caution
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.
Dispose of used batteries according to the instructions.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer.

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.
6. Flexible Circuit Board Repairing
   - Keep the temperature of the soldering iron around 270 °C during repairing.
   - Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
   - Be careful not to apply force on the conductor when soldering or unsoldering.

UNLEADED SOLDER

This unit uses unleaded solder.
Boards requiring use of unleaded solder are printed with the lead free mark (LF) indicating the solder contains no lead.
(**Caution:** Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

: LEAD FREE MARK

Be careful to the following points to solder or unsolder.

- Set the soldering iron tip temperature to 350 °C approximately.
  If cannot control temperature, solder/unsolder at high temperature for a short time.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful! Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Be sure to control soldering iron tips used for unleaded solder and those for leaded solder so they are managed separately. Mixing unleaded solder and leaded solder will cause detachment phenomenon.

各種薬品の取り扱いについて

現在使用されている薬品の中には揮発性の高い薬品もあります。
それらを不用意に取り扱い蒸発させてしまうと，環境や健康へ影響を与えたり，資源の無駄使いになります。
各種薬品は，下記の点に注意して取り扱ってください。

- 保管場所を定め，高温になったり直射日光の当たらない場所に密閉して保管してください。
- 小分け(ハンドラップ等)する数は必要最小限に留め，容器による自然蒸発を防いでください。
- 作業に使用しない時は，必ずキャップ等をして自然蒸発を防いでください。
- 薬品を使用する回数を極力少なくし，使用する場合は使用する量だけ容器より出して受け皿に残さないようにしてください。

樹脂系部品の取り扱いについて

本機に使用されている樹脂系の部品は，下記の点に注意して取り扱ってください。

- 清掃には薬品を使用せず，清掃紙や清掃布を使用してください。
  やむを得ず汚れがひどくて薬品を使用する場合は，シンナー，ケトン，エーテルは使用しないでください。
- 各部品の取り付けには指定されたねじを使用し，部品に対して垂直に取り付けてください。
  また，ねじを締め付ける時は，無理な力を加えないでください。

Caution
電池の交換は，正しく行わないと破裂する恐れがあります。
電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。
使用済み電池は，取扱指示に従って処分してください。

サービス，点検時には次のことにご注意ください。

1. 注意事項をお守りください。
   サービスのとき特に注意を要する個所については，キャビネット，シャーシ，部品などにラベルや捺印で注意事項を表示しています。これらの注意書き及び取扱説明書等の注意事項を必ずお守りください。
2. 指定部品のご使用を
   セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。
   従って交換部品は，使用されていたものと同じ特性の部品を使用してください。
   特に回路図，部品表に⚠印で指定されている安全上重要な部品は必ず指定のものをご使用ください。
3. 部品の取付けや配線の引きまわしはもとどおりに
   安全上，チューブやテープなどの絶縁材料を使用したり，プリント基板から浮かして取付けた部品があります。
   また内部配線は引きまわしやクランパによって発熱部品や高圧部品に接近しないよう配慮されていますので，これらは必ずもとどおりにしてください。
4. サービス後は安全点検を
   サービスのために取外したネジ，部品，配線がもとどおりになっているか，またサービスした個所の周辺を劣化させてしまったところがないかなどを点検し，安全性が確保されていることを確認してください。
5. チップ部品交換時の注意
   - 取り外した部品は再使用しないでください。
   - タンタルコンデンサのマイナス側は熱に弱いため交換時は注意してください。
6. フレキシブルプリント基板の取扱いについて
   - こて先温度を270℃前後にして行なってください。
   - 同一パターンに何度もコテ先を当てないでください。(3回以内)
   - パターンに力が加わらないよう注意してください。

無鉛半田について

本機には無鉛半田が使用されています。
無鉛半田を使用している基板には，無鉛(Lead Free)を意味するレッドフリーマークがプリントされています。
(**注意**：基板サイズによっては，無鉛半田を使用していてもレッドフリーマークがプリントされていないものがあります)

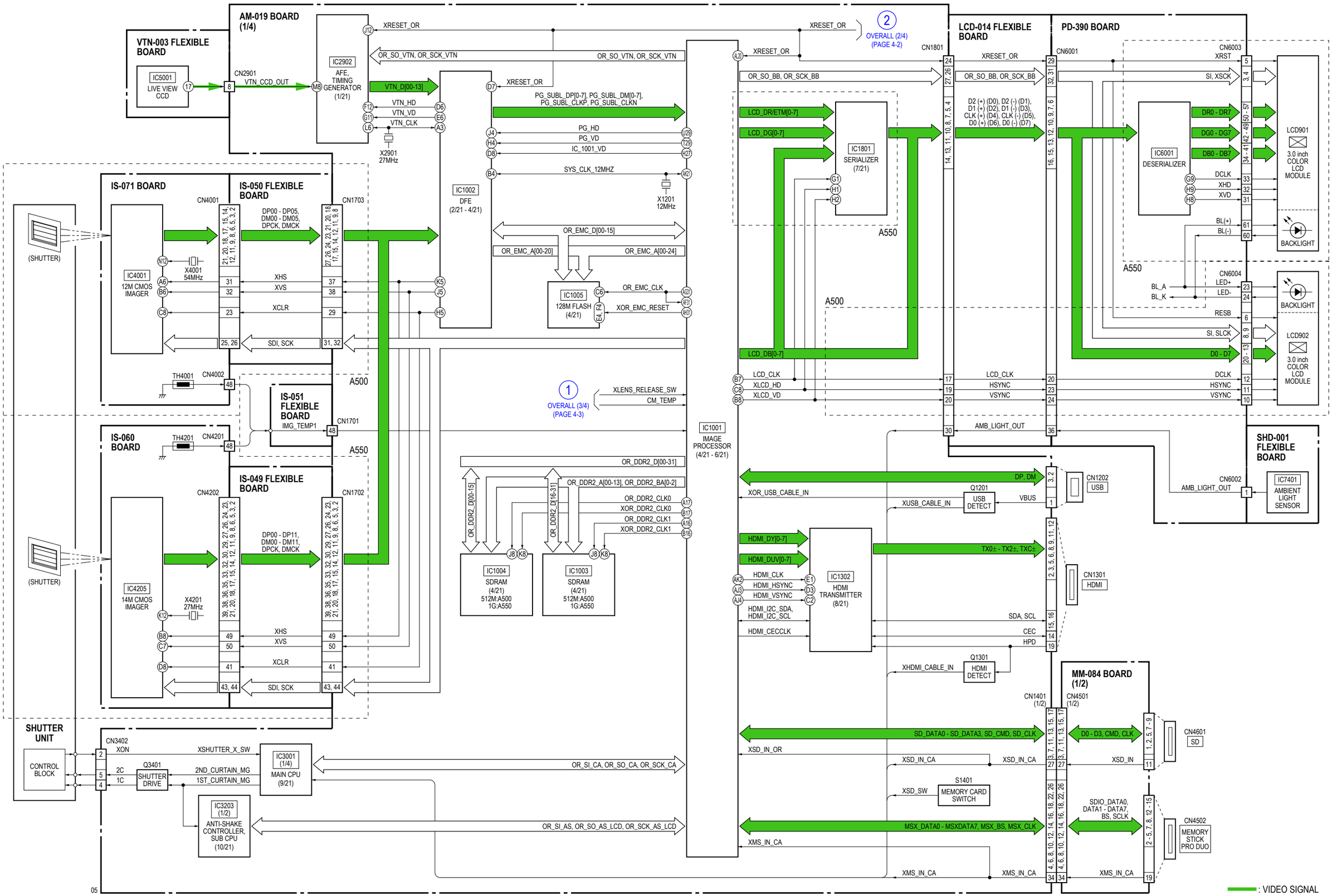
: レッドフリーマーク
無鉛半田は，下記の点に注意して使用してください。

- 半田こてのこて先温度は約350℃に設定してください。
  温度調節が無理な場合は，高温短時間で作業を行ってください。
  注意：半田こてを長く当てすぎると，基板のパターン(銅箔)がはがれてしまうことがありますので，注意してください。また，従来の半田よりも粘性が強いため，IC端子などが半田ブリッジしないように注意してください。
- 半田こてのこて先は，必ず無鉛半田用と有鉛半田用に分けて管理してください。
  無鉛半田と有鉛半田が混在すると剥離現象が発生してしまいます。

4. BLOCK DIAGRAMS

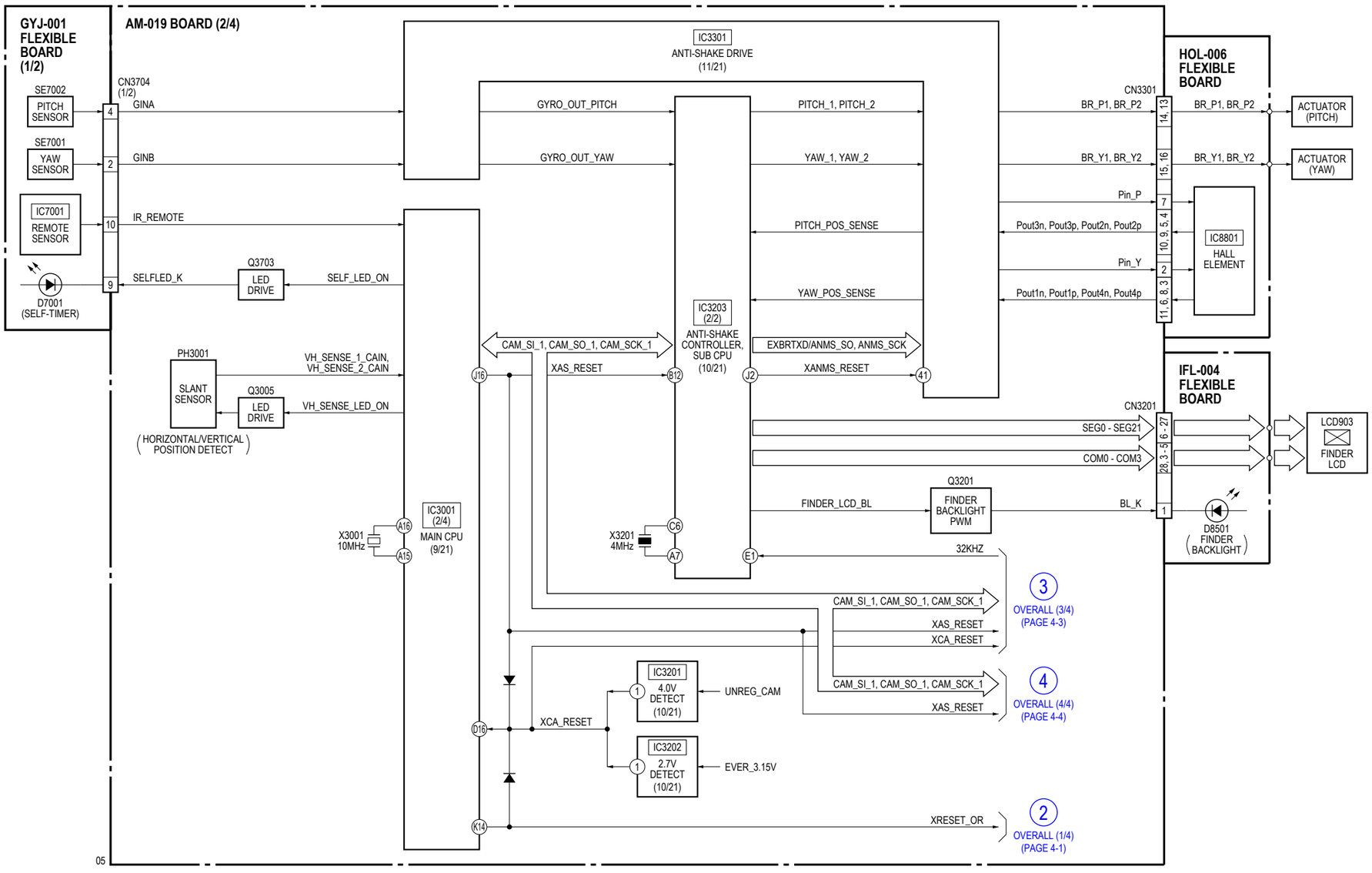
4-1. OVERALL BLOCK DIAGRAM (1/4)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



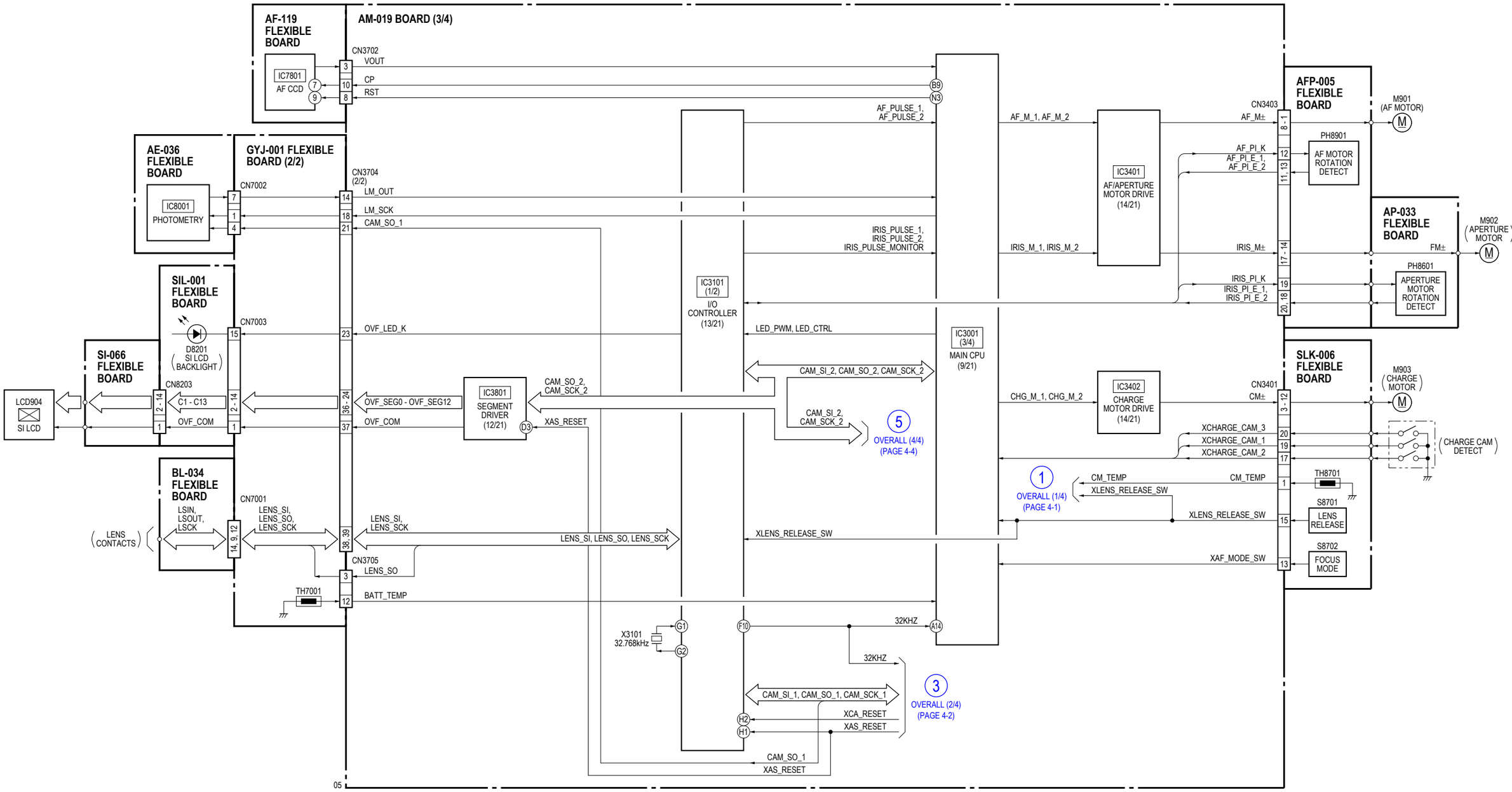
4-2. OVERALL BLOCK DIAGRAM (2/4)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



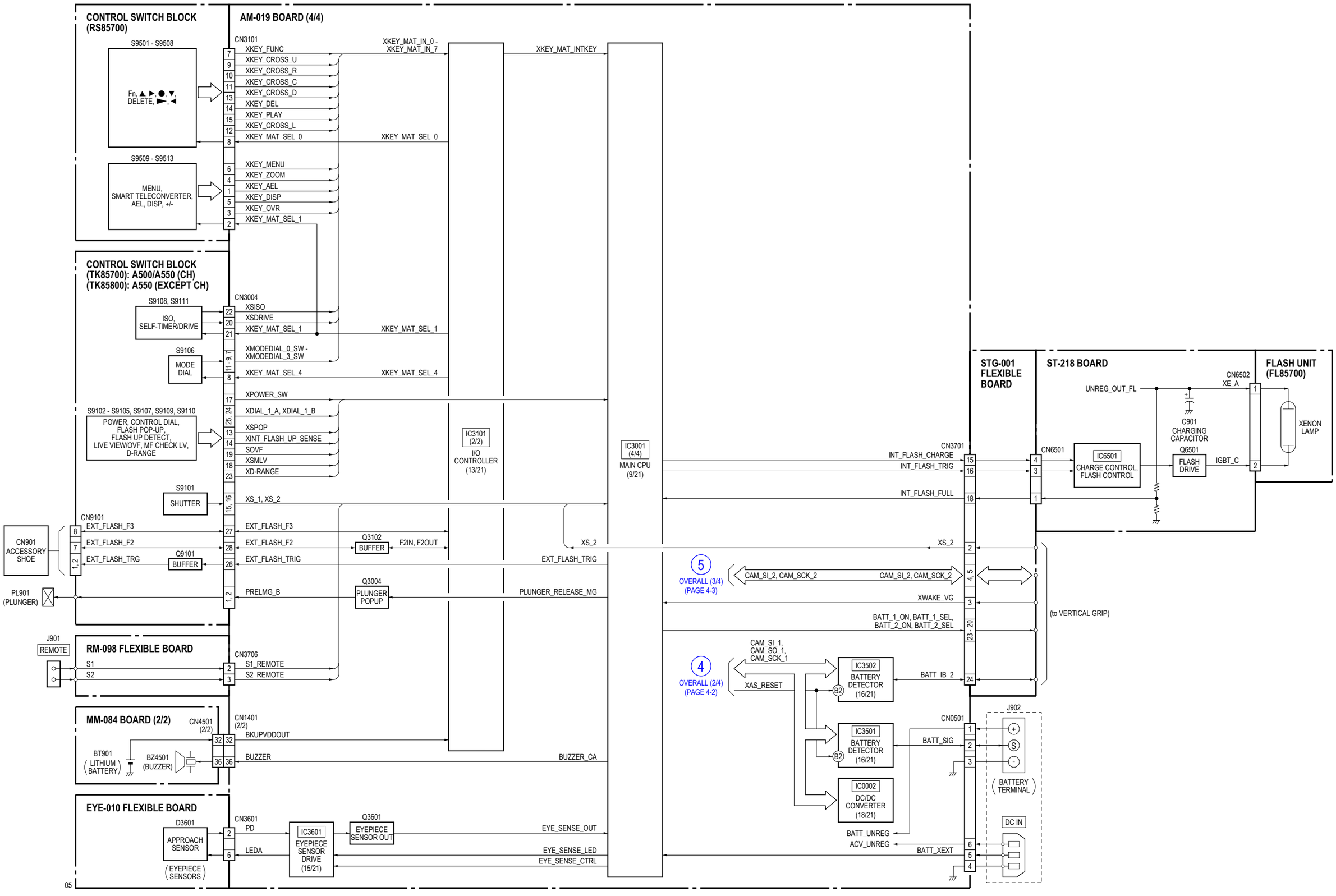
4-3. OVERALL BLOCK DIAGRAM (3/4)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



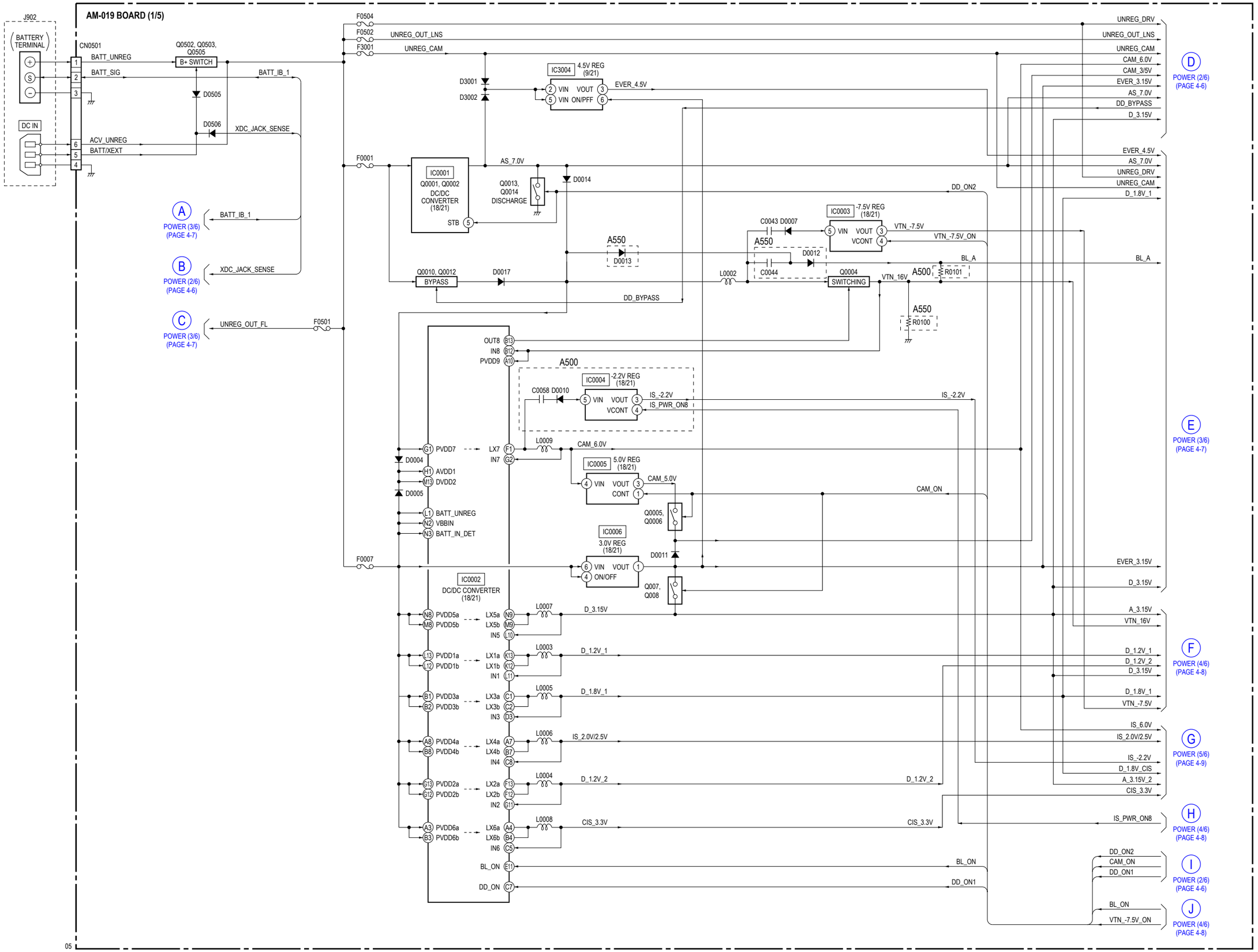
4-4. OVERALL BLOCK DIAGRAM (4/4)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



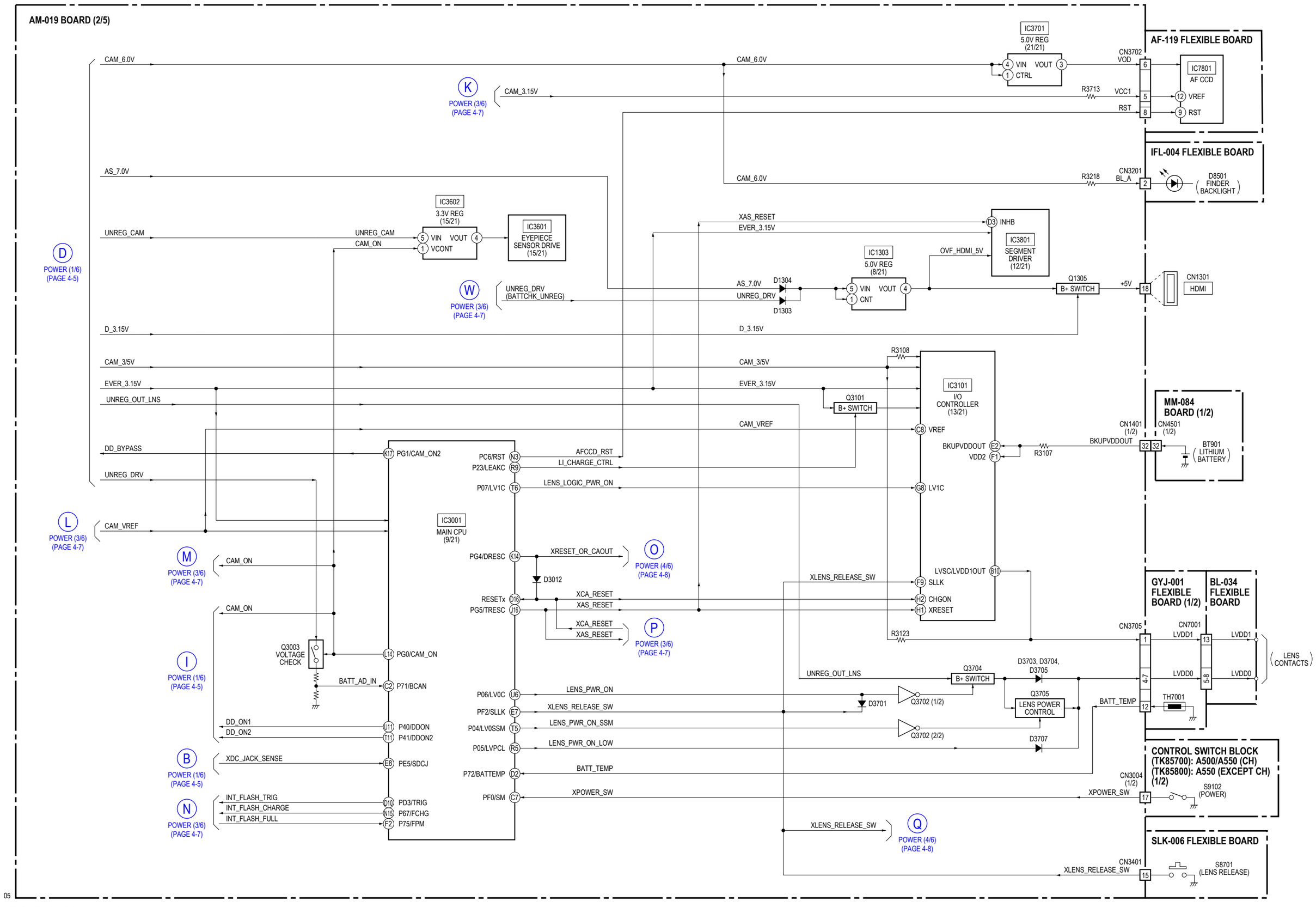
4-5. POWER BLOCK DIAGRAM (1/6)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



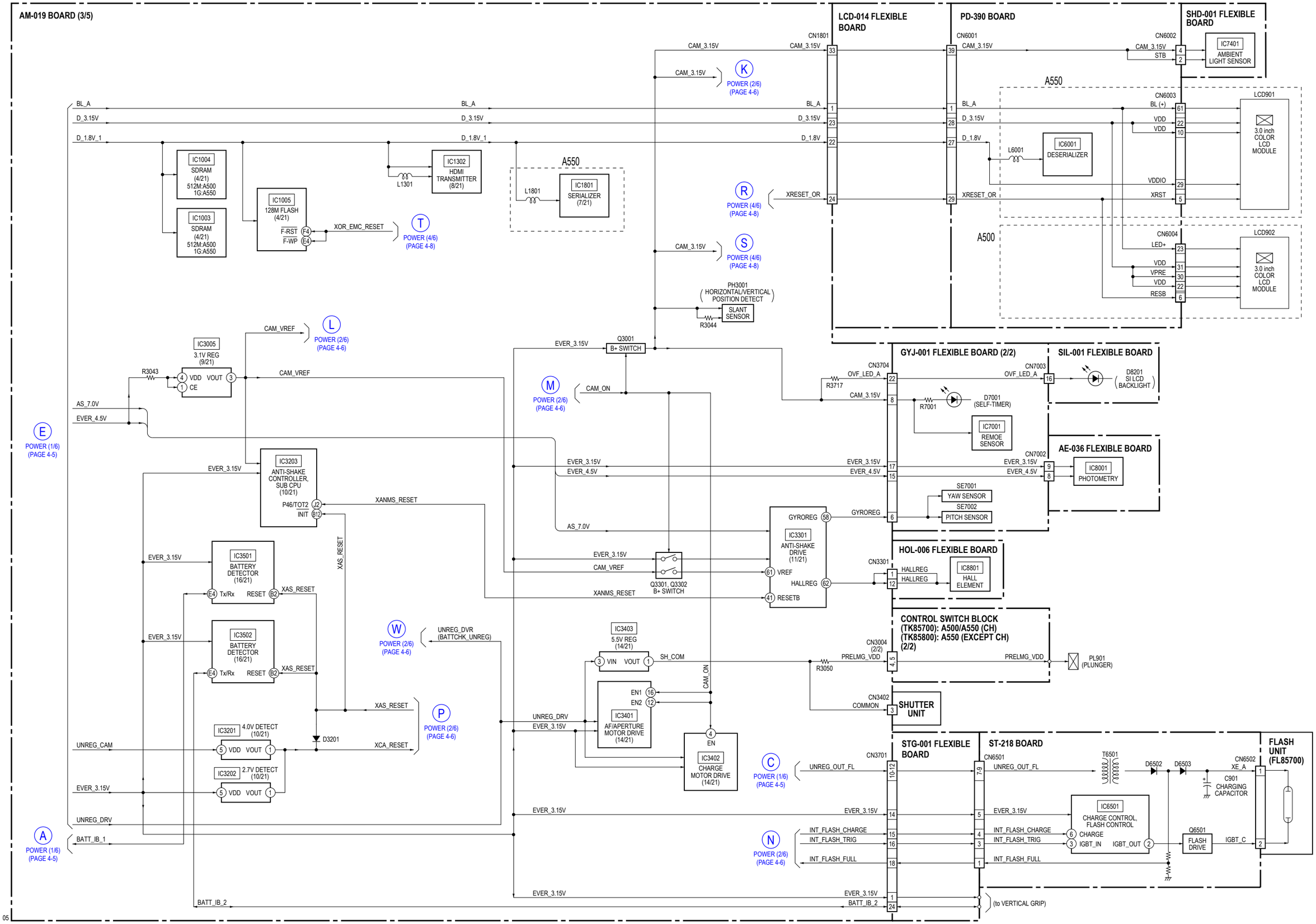
4-6. POWER BLOCK DIAGRAM (2/6)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



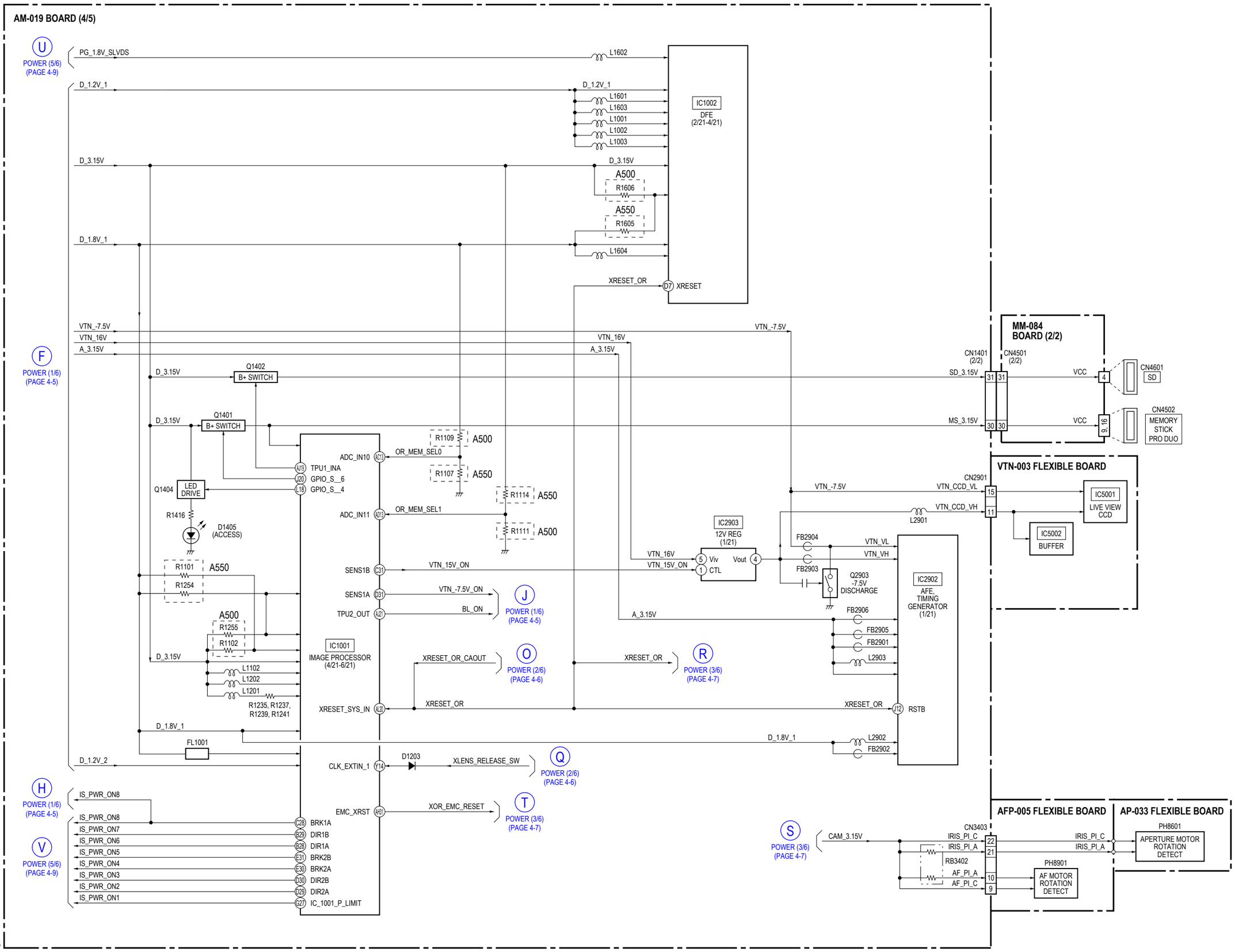
4-7. POWER BLOCK DIAGRAM (3/6)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



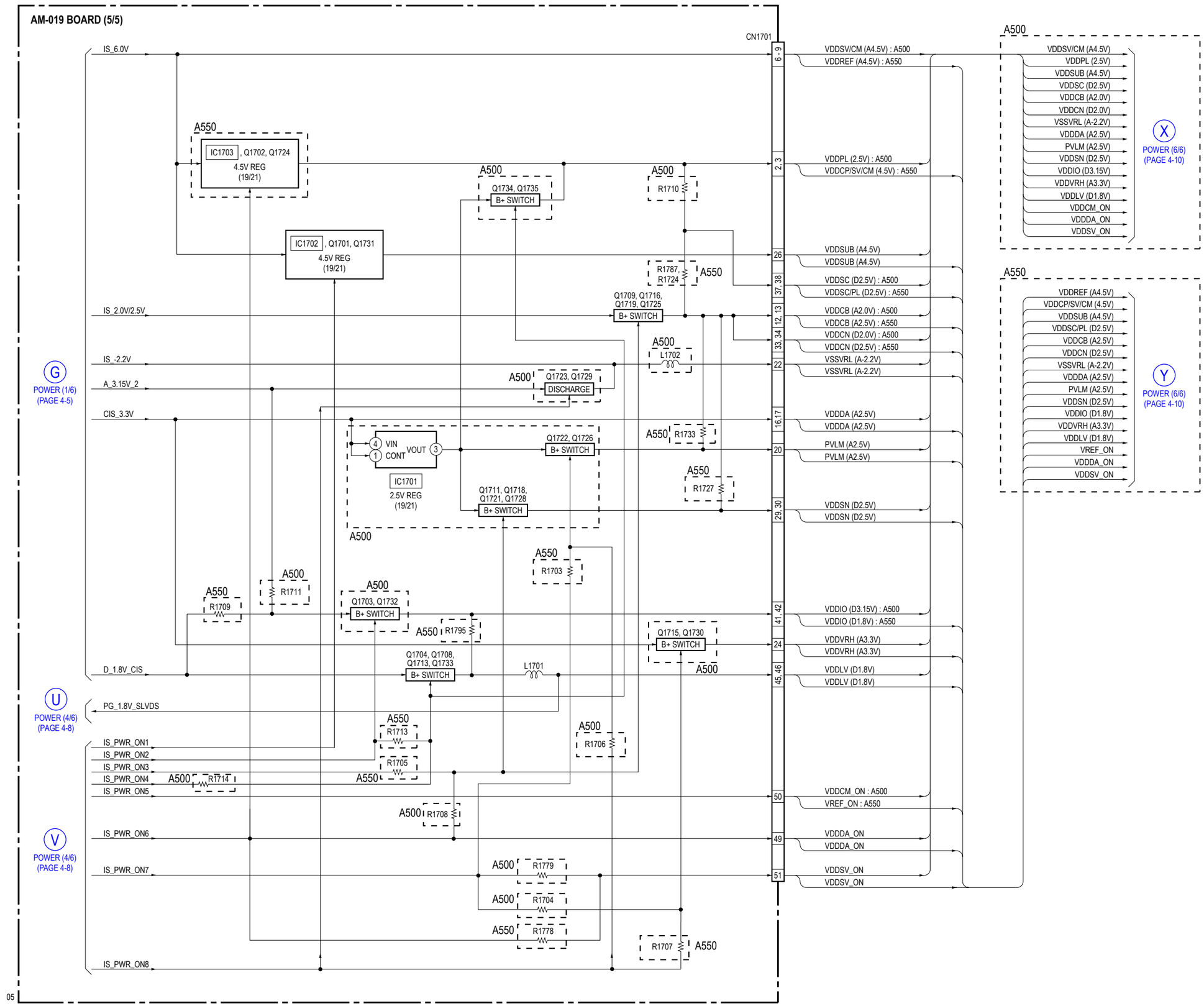
4-8. POWER BLOCK DIAGRAM (4/6)

( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



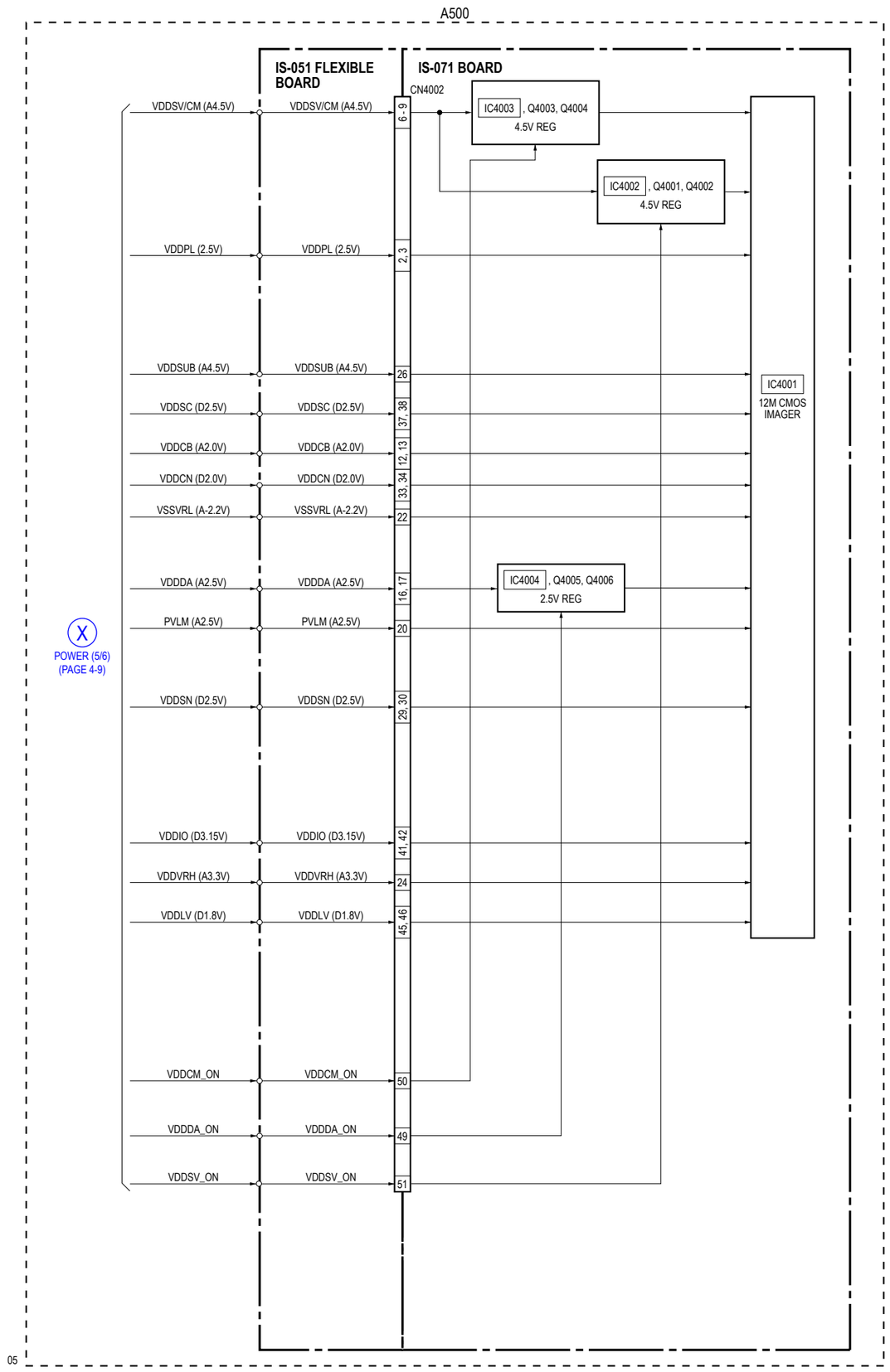
4-9. POWER BLOCK DIAGRAM (5/6)

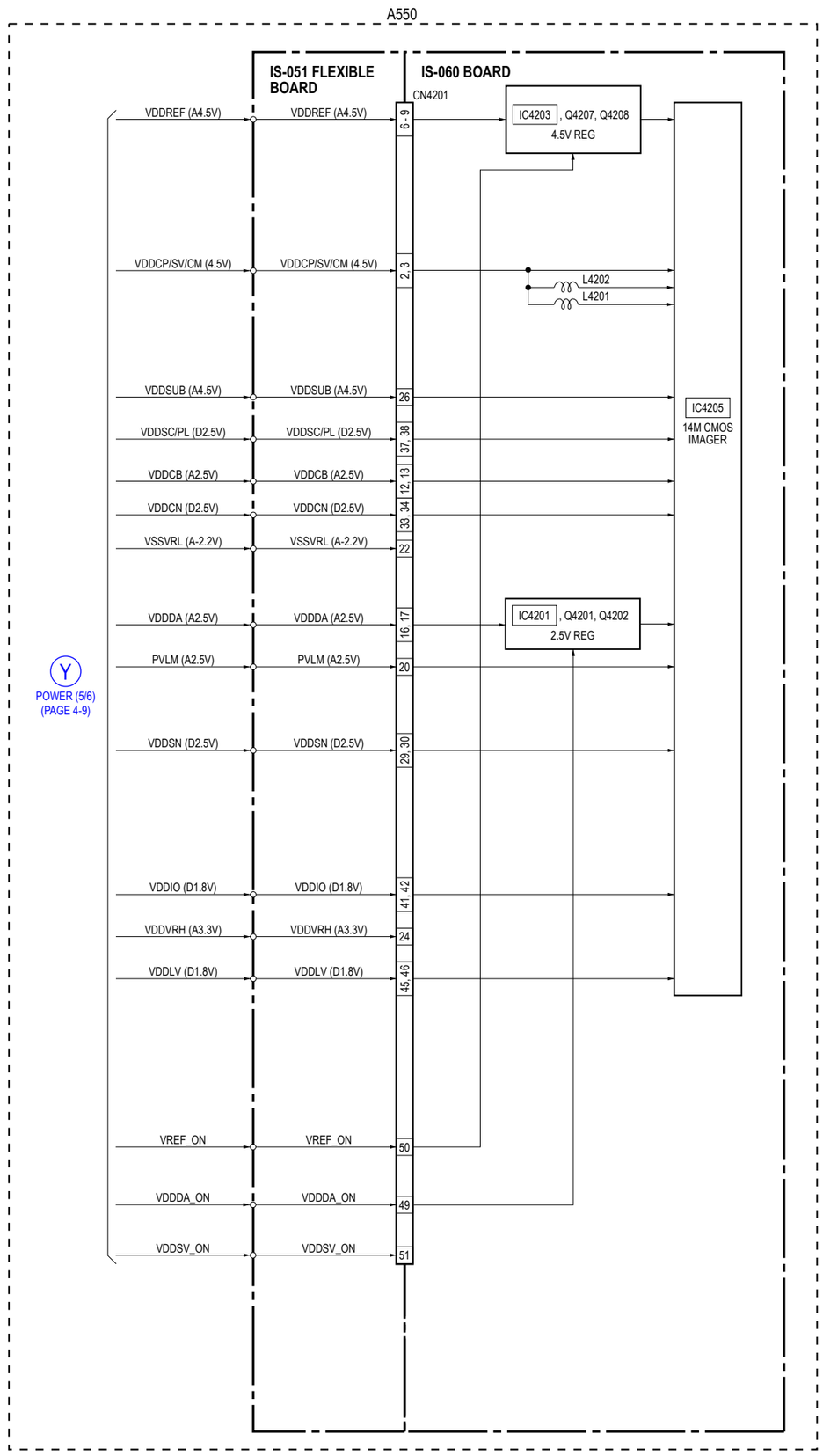
( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



4-10. POWER BLOCK DIAGRAM (6/6)

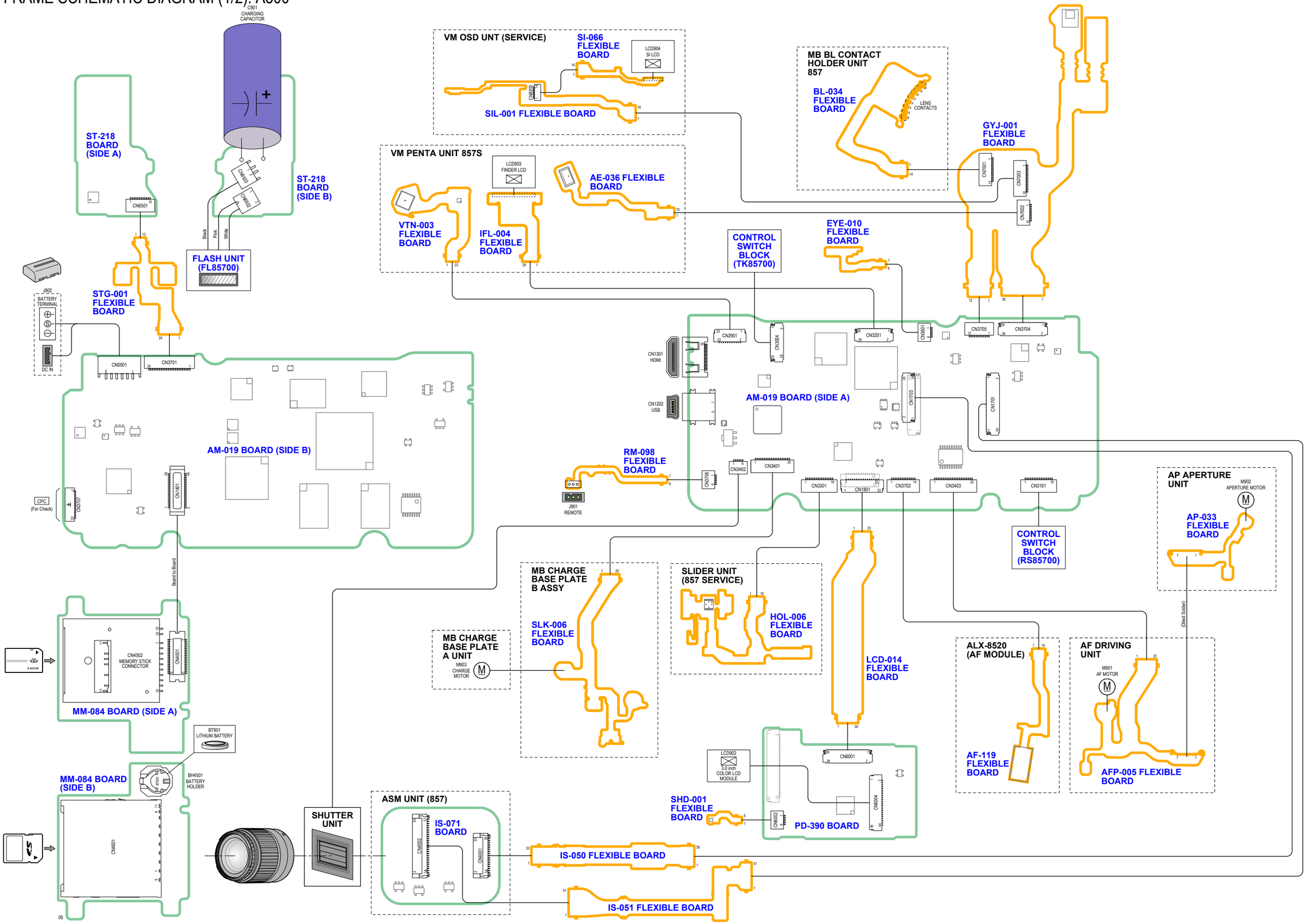
( ) : Number in parenthesis ( ) indicates the division number of schematic diagram where the component is located.



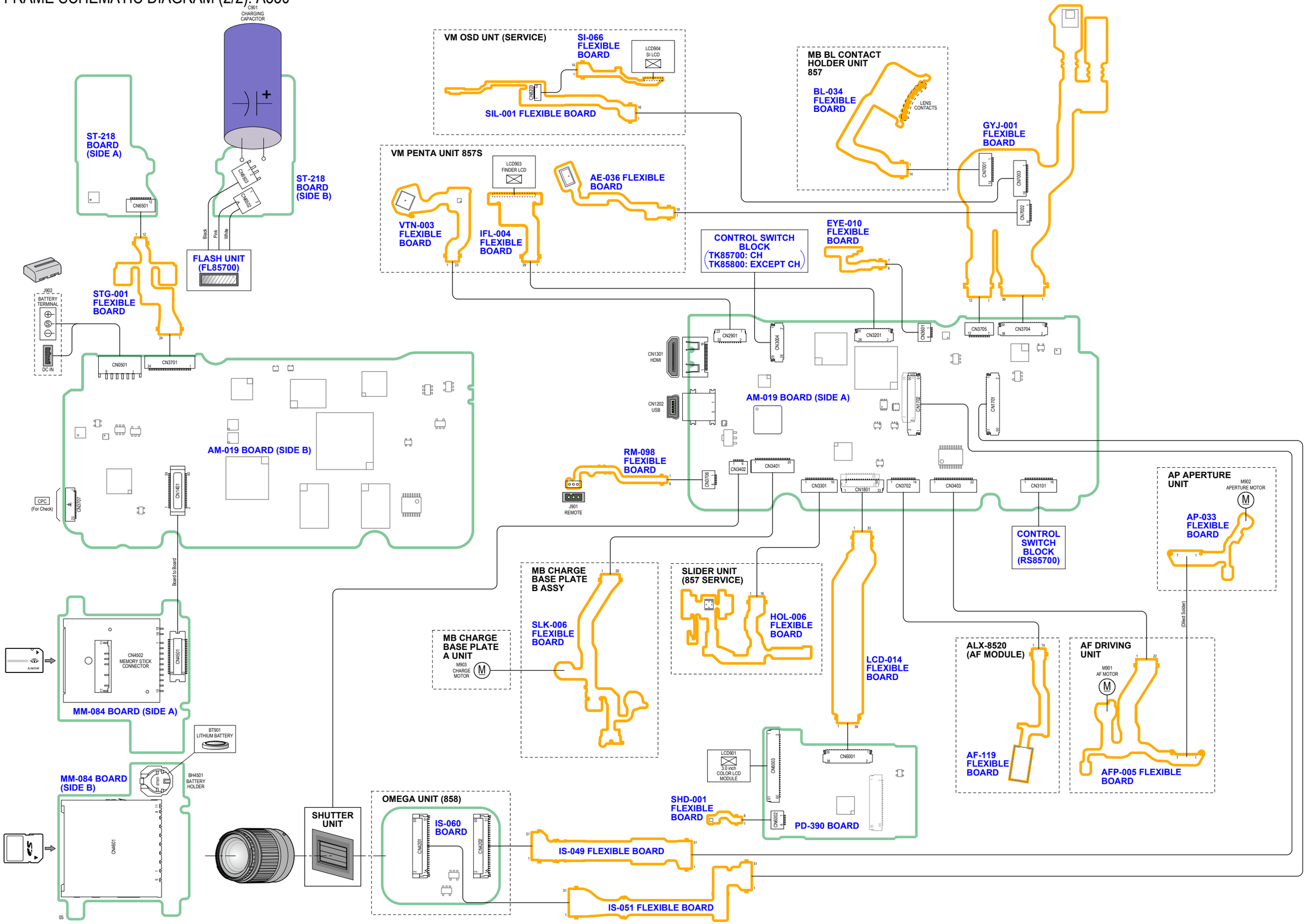


5. FRAME SCHEMATIC DIAGRAMS

FRAME SCHEMATIC DIAGRAM (1/2): A500



FRAME SCHEMATIC DIAGRAM (2/2): A550



6. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

– ENGLISH –

THIS NOTE IS COMMON FOR SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS.
(In addition to this, the necessary note is printed in each block.)

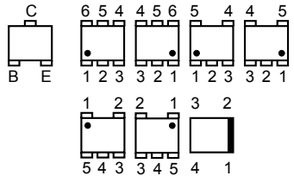
For Schematic Diagrams

- All capacitors are in μF unless otherwise noted. pF : μμF. 50 V or less are not indicated except for electrolytics and tantalums.
- Chip resistors are 1/10 W unless otherwise noted.
  kΩ=1000 Ω, MΩ=1000 kΩ.
- Caution when replacing chip parts.
  New parts must be attached after removal of chip.
  Be careful not to heat the minus side of tantalum capacitor, Because it is damaged by the heat.
- Some chip part will be indicated as follows.
  Example C541 L452
  22U 10UH
  TA A 2520
  Kinds of capacitor / Case size — External dimensions (mm)
- Constants of resistors, capacitors, ICs and etc with XX indicate that they are not used.
  In such cases, the unused circuits may be indicated.
- Parts with ★ differ according to the model/destination.
  Refer to the mount table for each function.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Signal name
  XEDIT → $\overline{\text{EDIT}}$ PB/XREC → PB/$\overline{\text{REC}}$
- : non flammable resistor
- : fusible resistor
- : panel designation
- : B+ Line
- : B– Line
- : IN/OUT direction of (+, –) B LINE.
- : adjustment for repair.

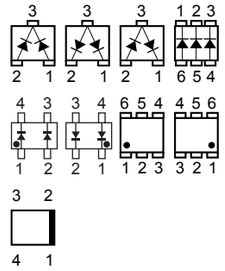
For Printed Wiring Boards

- : Uses unleaded solder.
- : Circuit board
  : Flexible board
  Pattern from the side which enables seeing.
  : pattern of the rear side
  (The other layers' patterns are not indicated)
- Through hole is omitted.
- There are a few cases that the part printed on diagram isn't mounted in this model.
- : panel designation

- Chip parts.
  Transistor



Diode



Precautions for Replacement of Imager
- If the imager has been replaced, carry out all the adjustments for the camera section.
- As the imager may be damaged by static electricity from its structure, handle it carefully like for the MOS IC.
  In addition, ensure that the receiver is not covered with dusts nor exposed to strong light.

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

– JAPANESE –

回路図，プリント図共通ノート
（他に必要なノートは各セクションに記載しています）

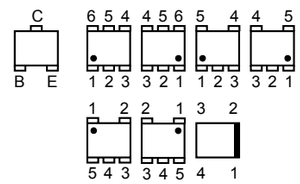
回路図ノート

- ケミコン，タンタルを除くコンデンサで，耐圧50V以下のものはその耐圧を省略。単位はすべてμF（pはpF）。
- チップ抵抗で指示のないものは，1/10W以下。
  kΩ＝1000Ω，MΩ＝1000kΩ
- チップ部品交換時の注意
  取り外した部品は再使用せず，未使用の部品をご使用ください。
  タンタルコンデンサのマイナス側は熱に弱いため注意してください。
- チップ部品には下記のように表示したものがあります。
  例 C541 L452
  22U 10UH
  TA A 2520
  種類 / ケースサイズ — 外形寸法（mm）
- 抵抗，コンデンサ，ICなど定数にXXがあるものは，使用していない事を示しています。このため，使用していない回路が記載されている事があります。
- ★印のある部品は，機種などにより異なりますので機能別マウント一覧表を参照してください。
- 可変抵抗と半固定抵抗で，B特性の表示を省略。
- 信号名表記について，下記のような場合があります。
  XEDIT → $\overline{\text{EDIT}}$ PB/XREC → PB/$\overline{\text{REC}}$
- は不燃性抵抗。
- はヒューズ抵抗。
- はパネル表示名称。
- はB＋ライン。
- はB－ライン。
- はBライン（＋，－）の入出力方向を示す。
- は調整名称。

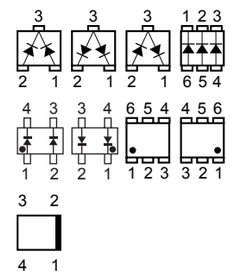
プリント図ノート

- ：無鉛半田を使用しています。
- ：基板
  ：フレキシブル配線板
  見ている面側のパターン。
  ：裏側のパターン
  （他のパターンについては表示されていません）
- スルーホールは省略。
- プリント図には，本機で使用していない部品が記載されている場合があります。
- はパネル表示名称。

- Chip parts.
  Transistor



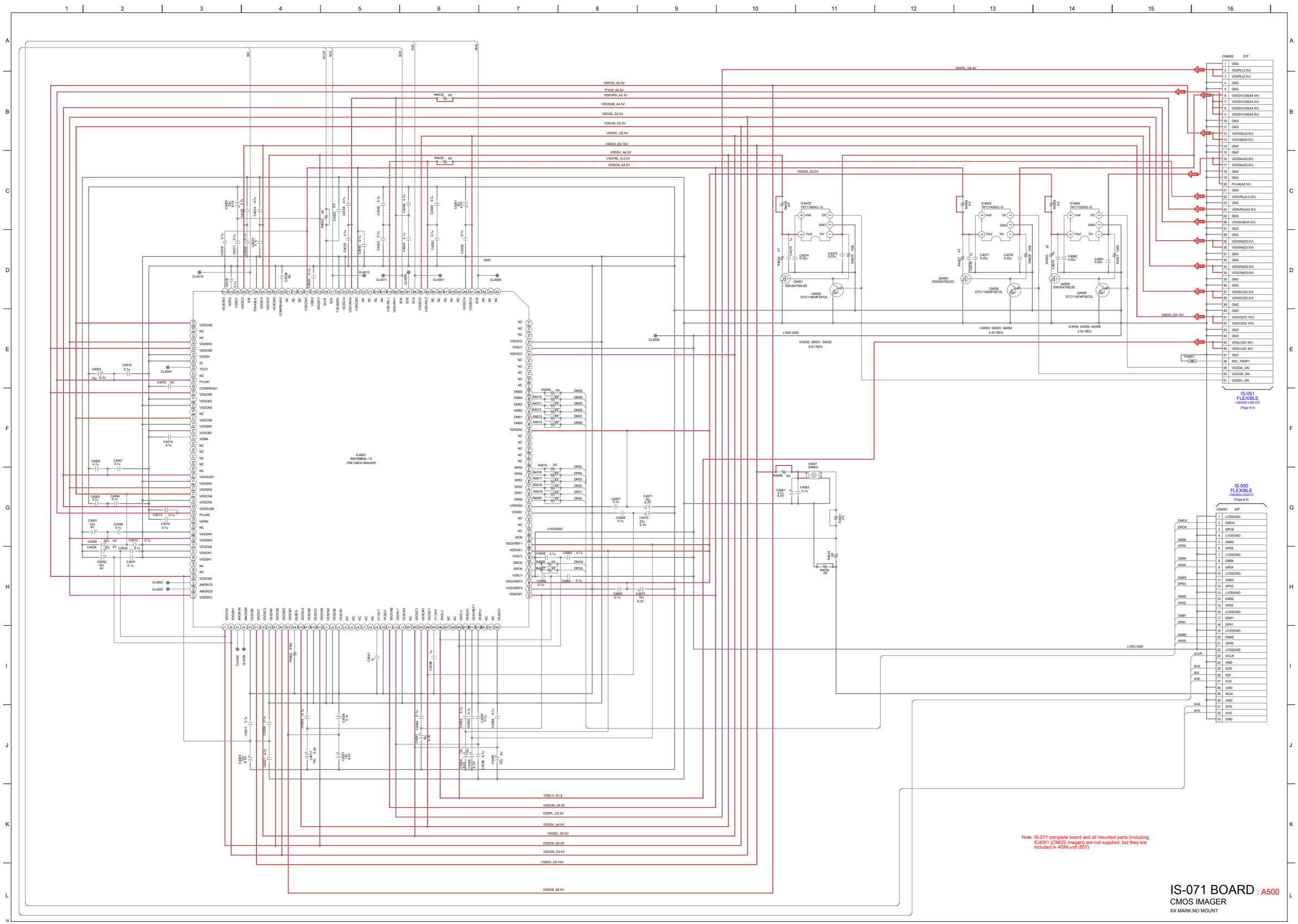
Diode

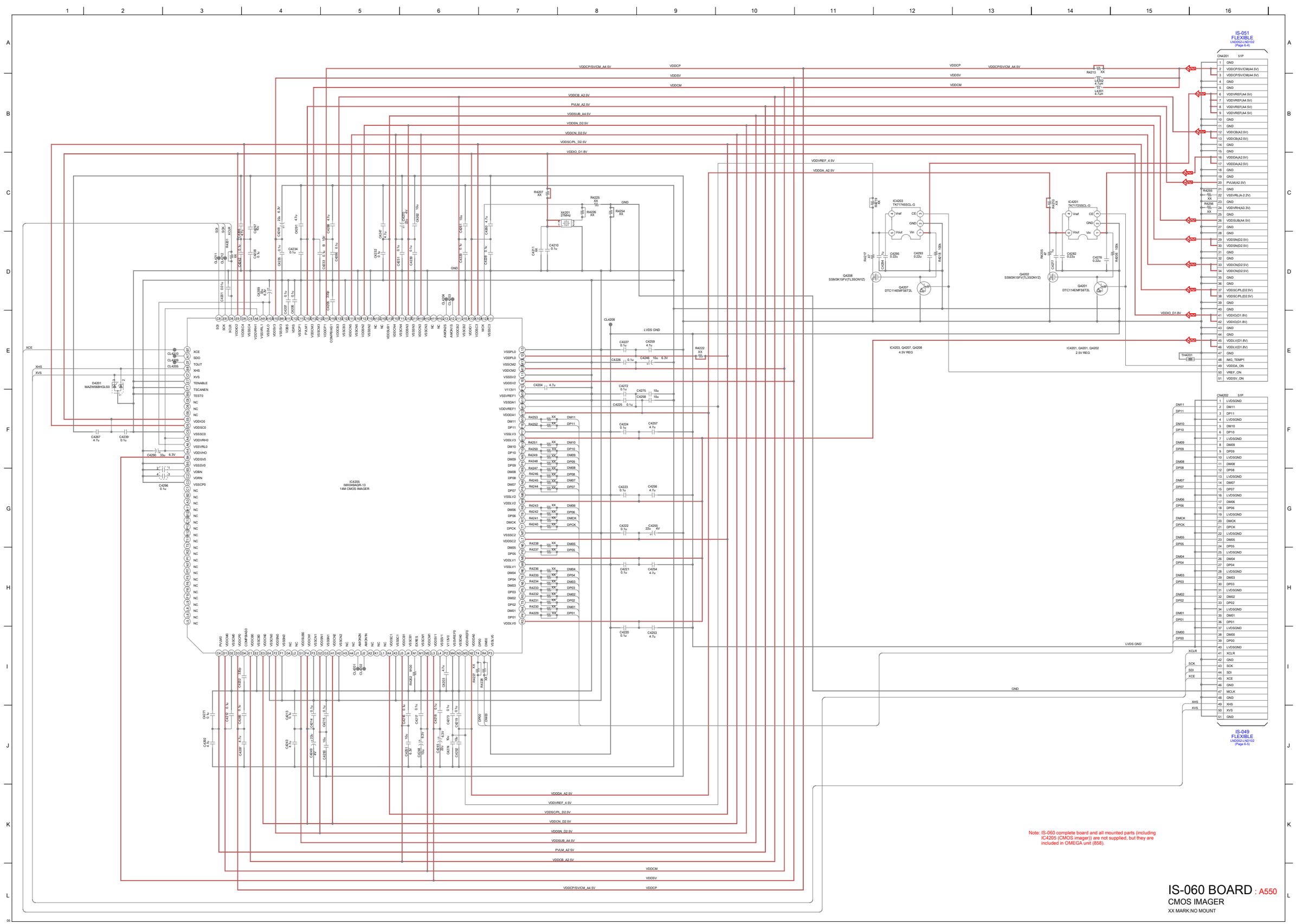


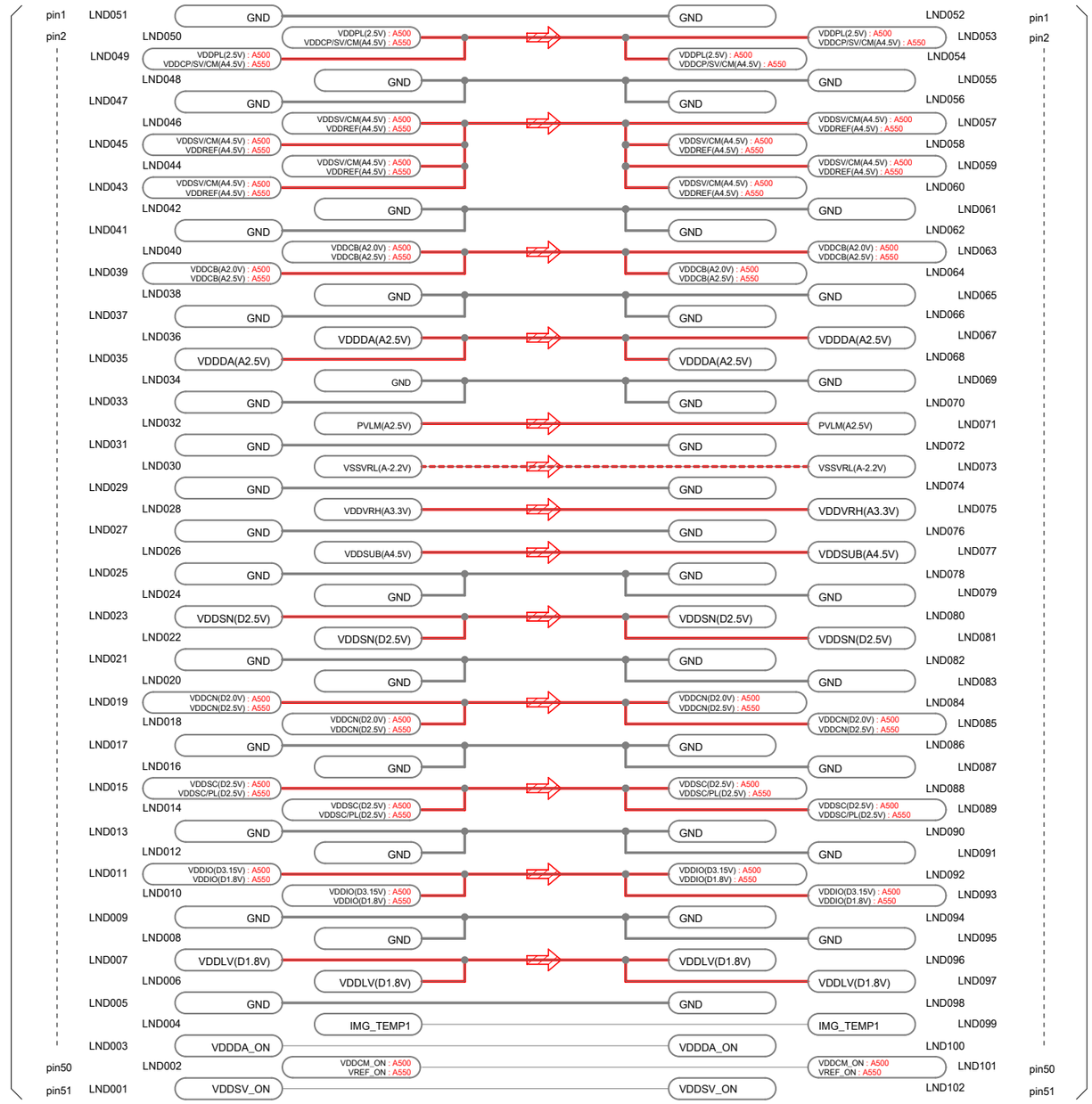
イメージャ交換時の注意
- イメージャを交換した場合は，カメラ部の全調整を行ってください。
- イメージャは構造上，静電気により破壊される恐れがあるため，MOS ICと同様に注意して取り扱ってください。
  また，受光部にはゴミの付着，および強い光がはいることのないように注意してください。

お願い
図面番号で部品を指定するときは基板名又はブロックを併せて指定してください。

⚠印の部品，または⚠印付の点線で囲まれた部品は，安全性を維持するために，重要な部品です。
従って交換時は，必ず指定の部品を使用してください。


IC4001
IMX038BQL-13
12M CMOS IMAGER
IC4002
TK71745SCL-G
IC4003
TK71745SCL-G
IC4004
TK71725SCL-G
Q4001
2SK3547-00LS0
Q4002
DTC114EMFS6T2L
Q4003
2SK3547-00LS0
Q4004
DTC114EMFS6T2L
Q4005
2SK3547-00LS0
Q4006
DTC114EMFS6T2L
X4001
54MHz
TH4001
CN4002 51P
CN4001 33P
IS-051
FLEXIBLE
LND052-LND102
(Page 6-4)
IS-050
FLEXIBLE
LND040-LND072
(Page 6-5)
IC4002, Q4001, Q4002
4.5V REG
IC4003, Q4003, Q4004
4.5V REG
IC4004, Q4005, Q4006
2.5V REG
LVDS GND
VDDCB_A2.0V
PVLM_A2.5V
VDDVRH_A3.3V
VDDSUB_A4.5V
VDDSN_D2.5V
VDDCN_D2.0V
VDDSC_D2.5V
VDDIO_D3.15V
VDDSV_A4.5V
VSSVRL_A-2.2V
VDDCM_A4.5V
VDDPL_D2.5V
VDDLV_D1.8
GND
LVDSGND
Note: IS-071 complete board and all mounted parts (including IC4001 (CMOS imager)) are not supplied, but they are included in ASM unit (857).
IS-071 BOARD : A500
CMOS IMAGER
XX MARK:NO MOUNT


IS-051
FLEXIBLE
LND002-LND102
(Page 6-4)
CN4201 51P
CN4202 51P
IS-049
FLEXIBLE
LND002-LND102
(Page 6-5)
IC4205
IMX049AQR-13
14M CMOS IMAGER
IC4203, Q4207, Q4208
4.5V REG
IC4201, Q4201, Q4202
2.5V REG
Note: IS-060 complete board and all mounted parts (including IC4205 (CMOS imager)) are not supplied, but they are included in OMEGA unit (858).
IS-060 BOARD : A550
CMOS IMAGER
XX MARK:NO MOUNT



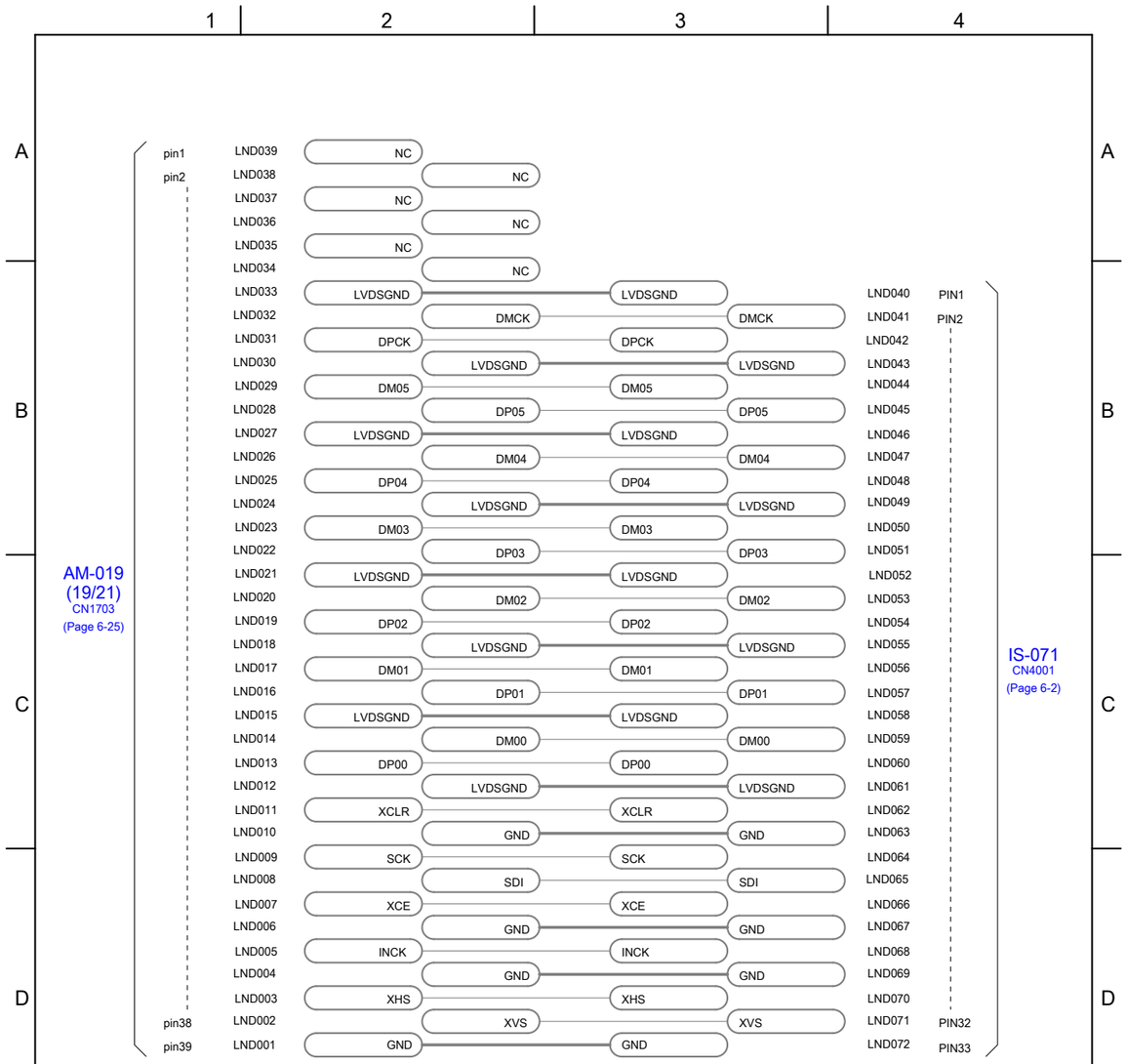
AM-019
(19/21)
CN1701
(Page 6-25)

A500
IS-071
CN4002
(Page 6-2)
IS-060
CN4201
(Page 6-3)
A550

IS-051 FELEXIBLE BOARD

AM-IS CONNECTION

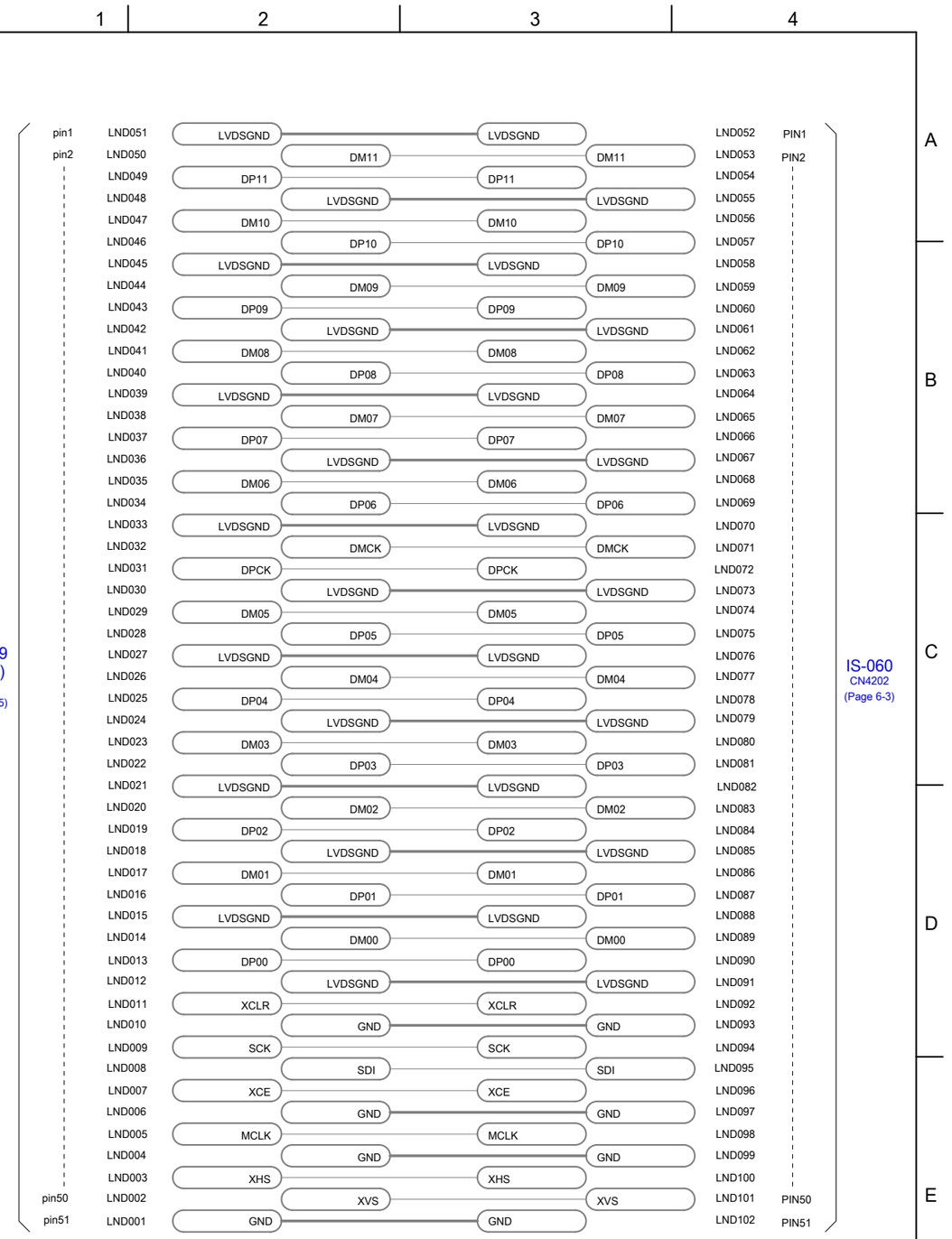
(PRINTED WIRING BOARD is omitted.)



IS-050 FLEXIBLE BOARD : A500

AM-IS CONNECTION

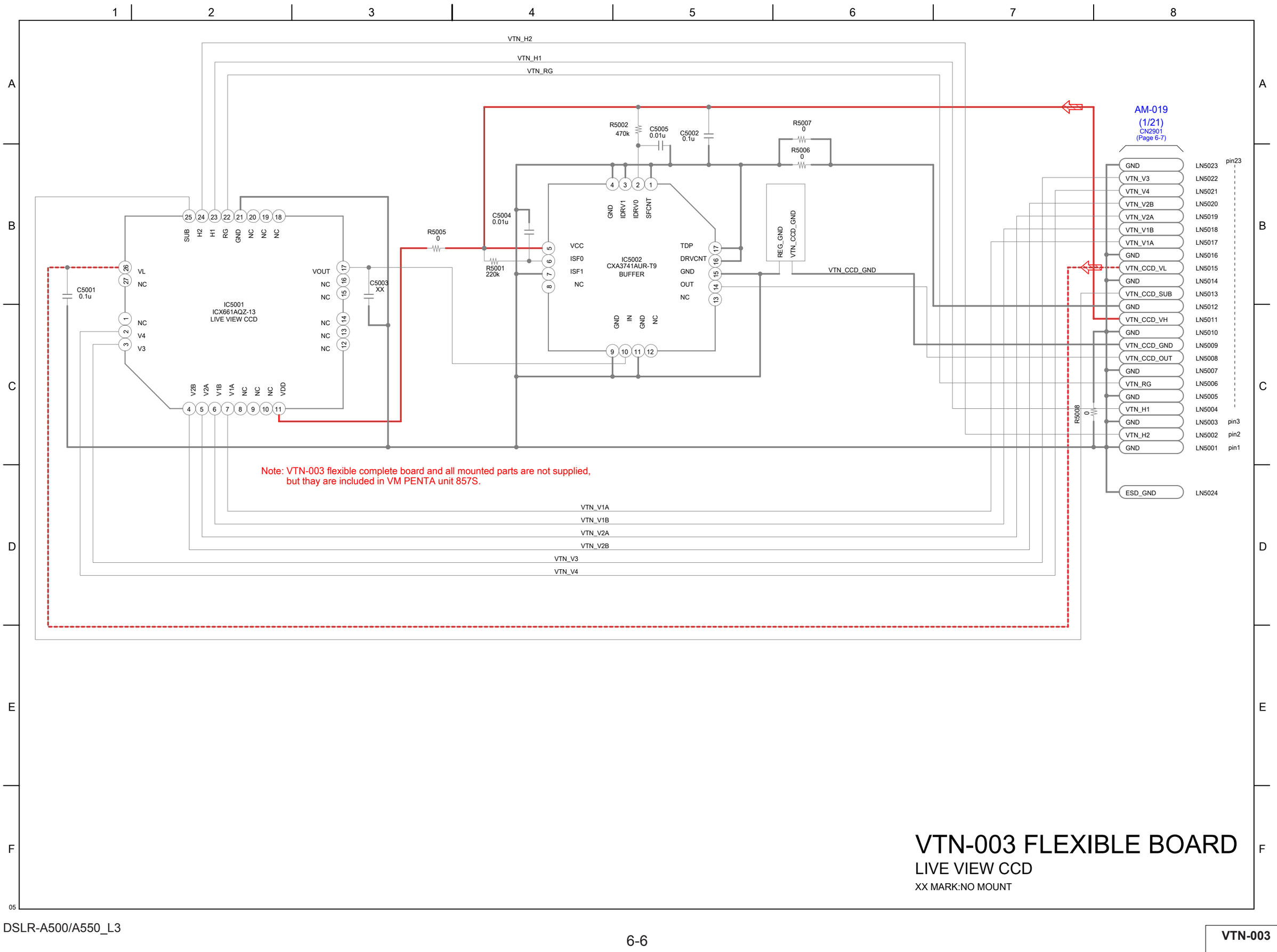
(PRINTED WIRING BOARD is omitted.)



IS-049 FLEXIBLE BOARD : A550

AM-IS CONNECTION

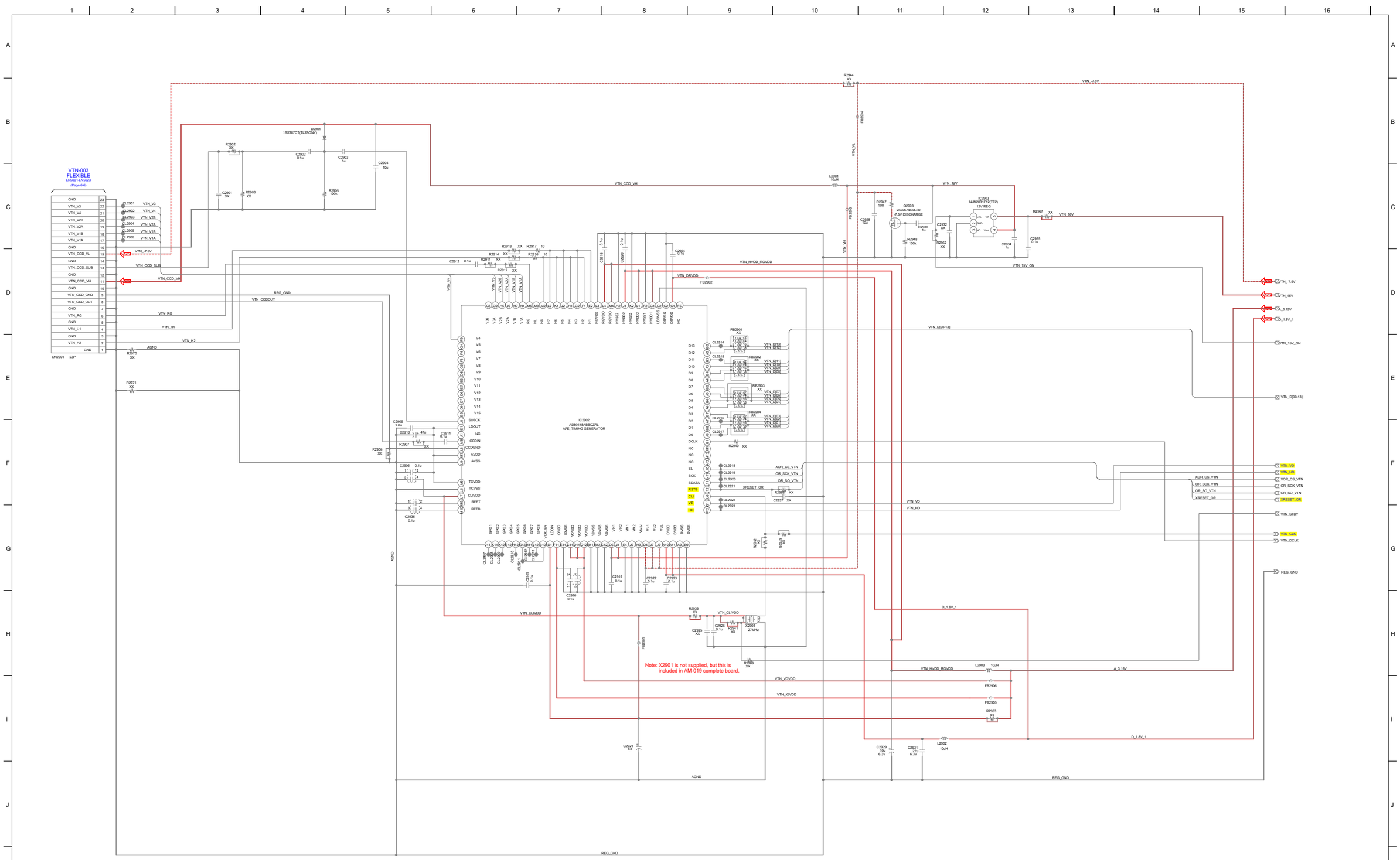
(PRINTED WIRING BOARD is omitted.)



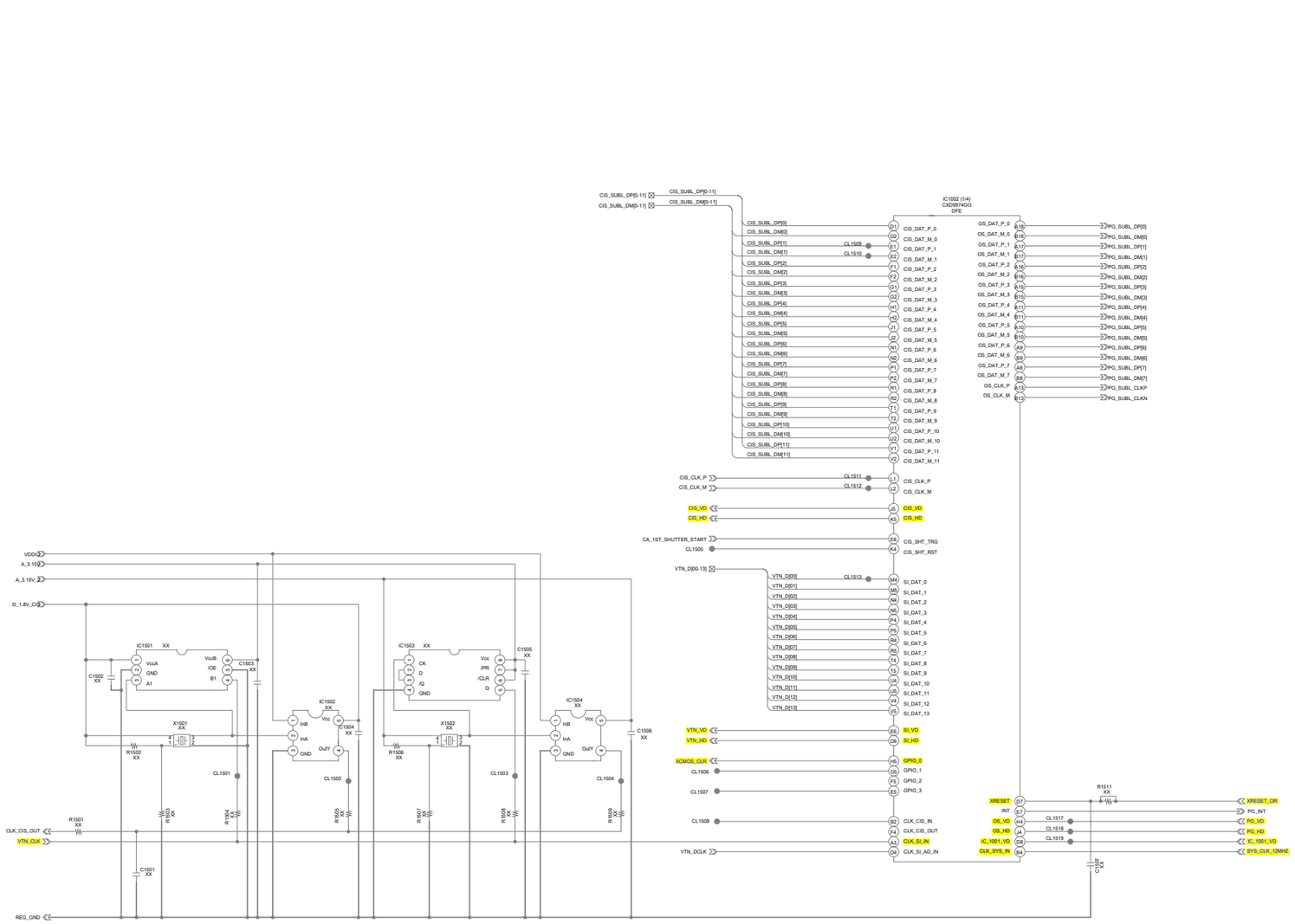
VTN-003 FLEXIBLE BOARD

LIVE VIEW CCD

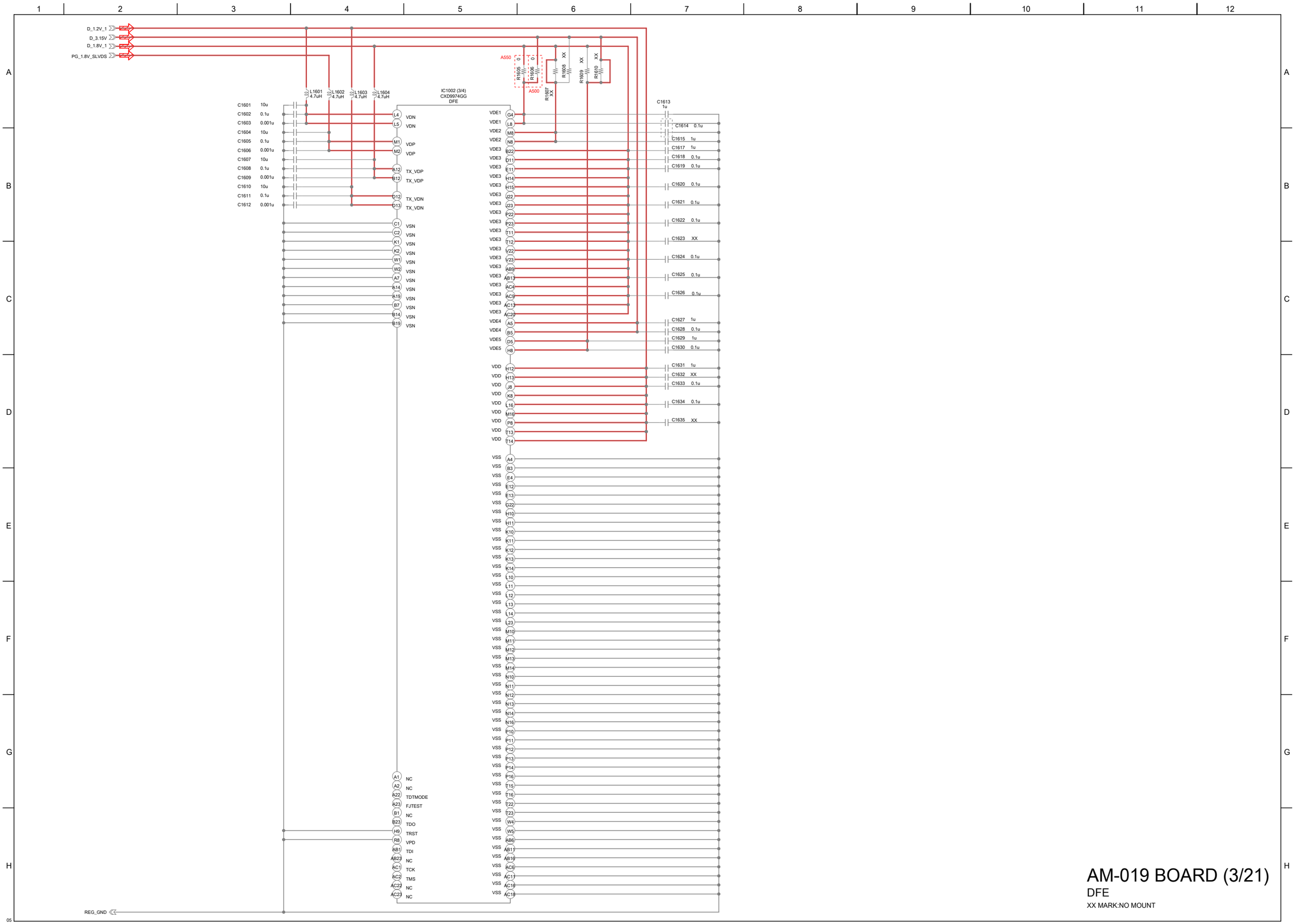
XX MARK:NO MOUNT



AM-019 BOARD (1/21)
AFE, TIMING GENERATOR
XX MARK:NO MOUNT



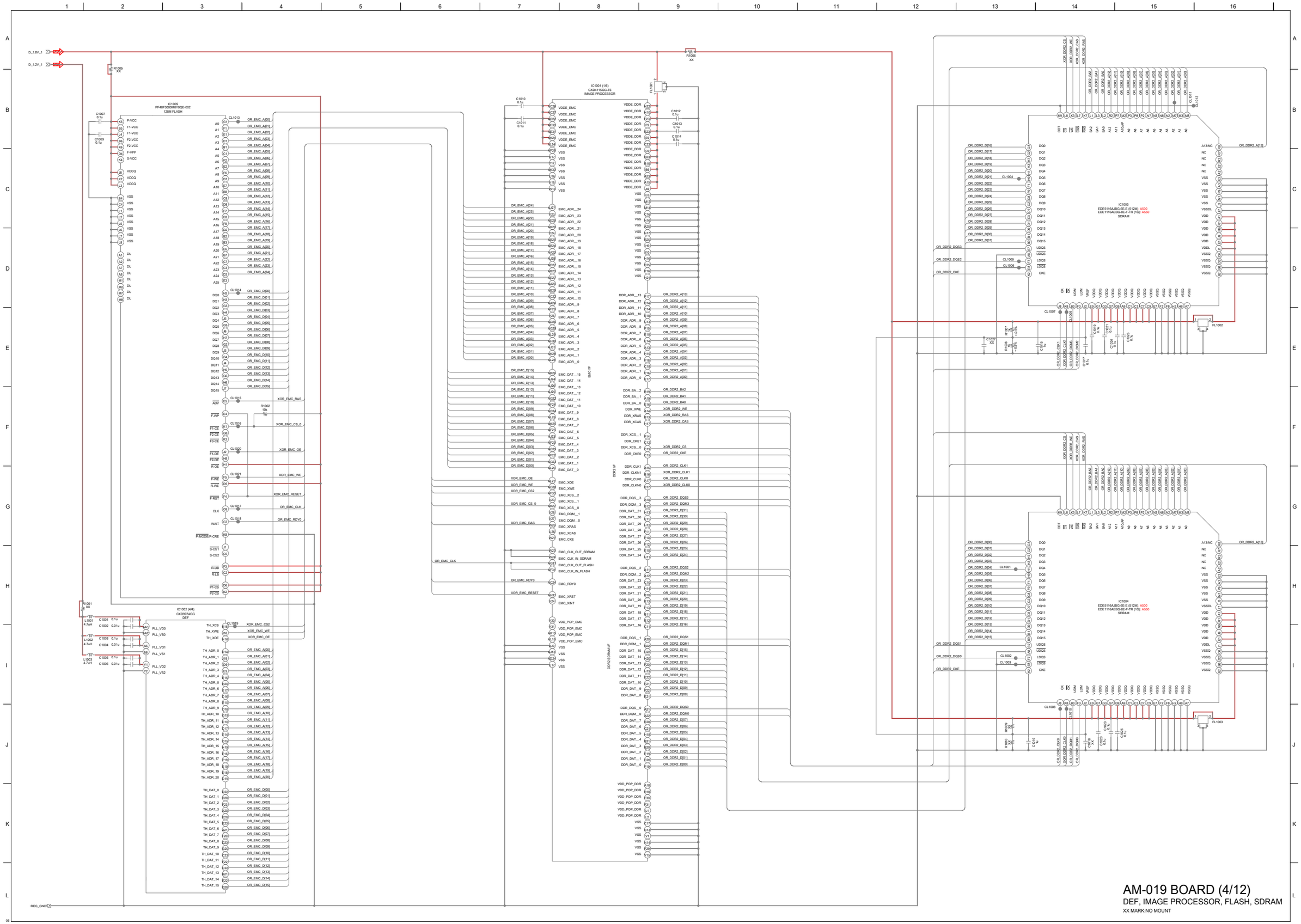
AM-019 BOARD (2/21)
DFE
XX MARK:NO MOUNT

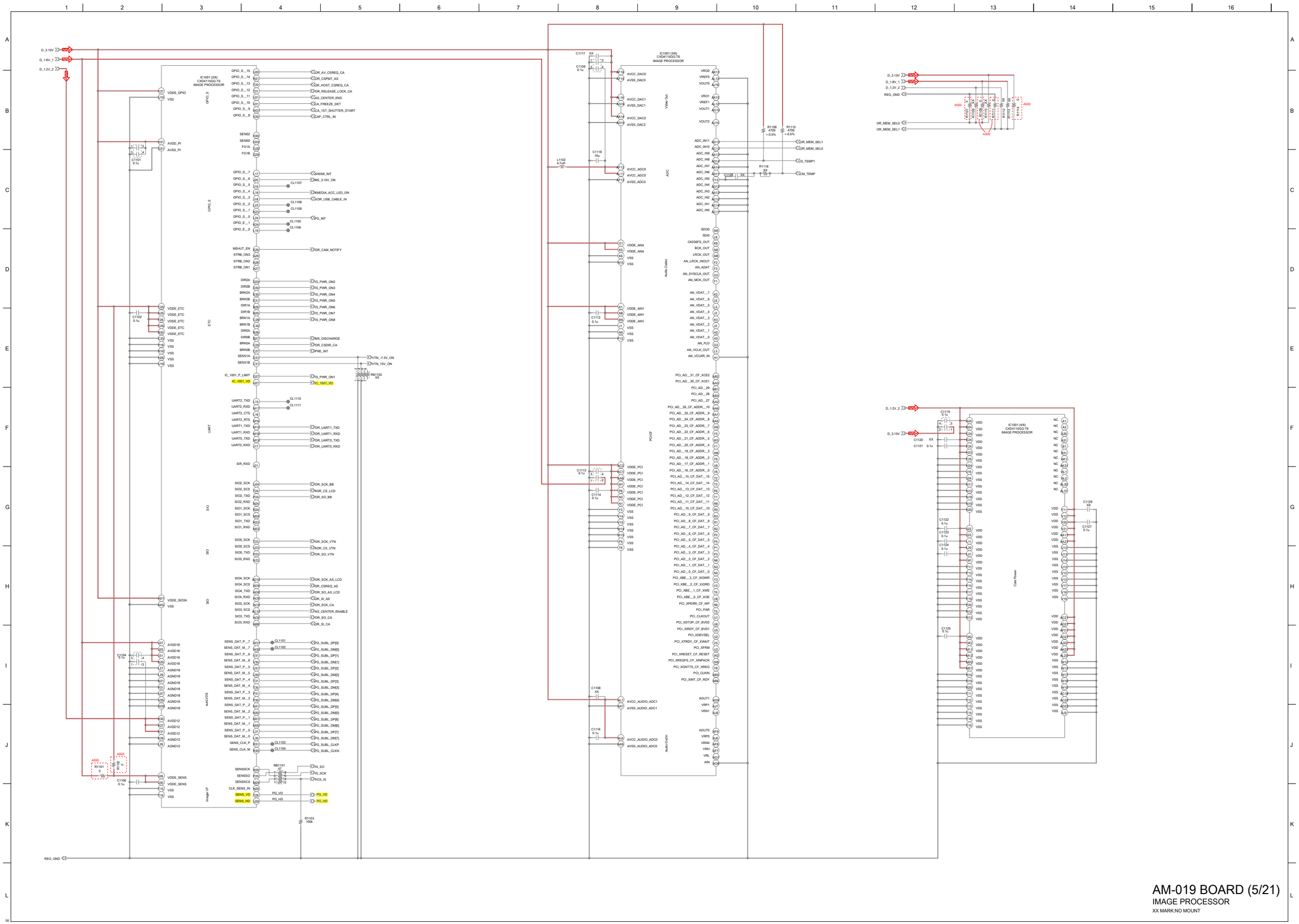


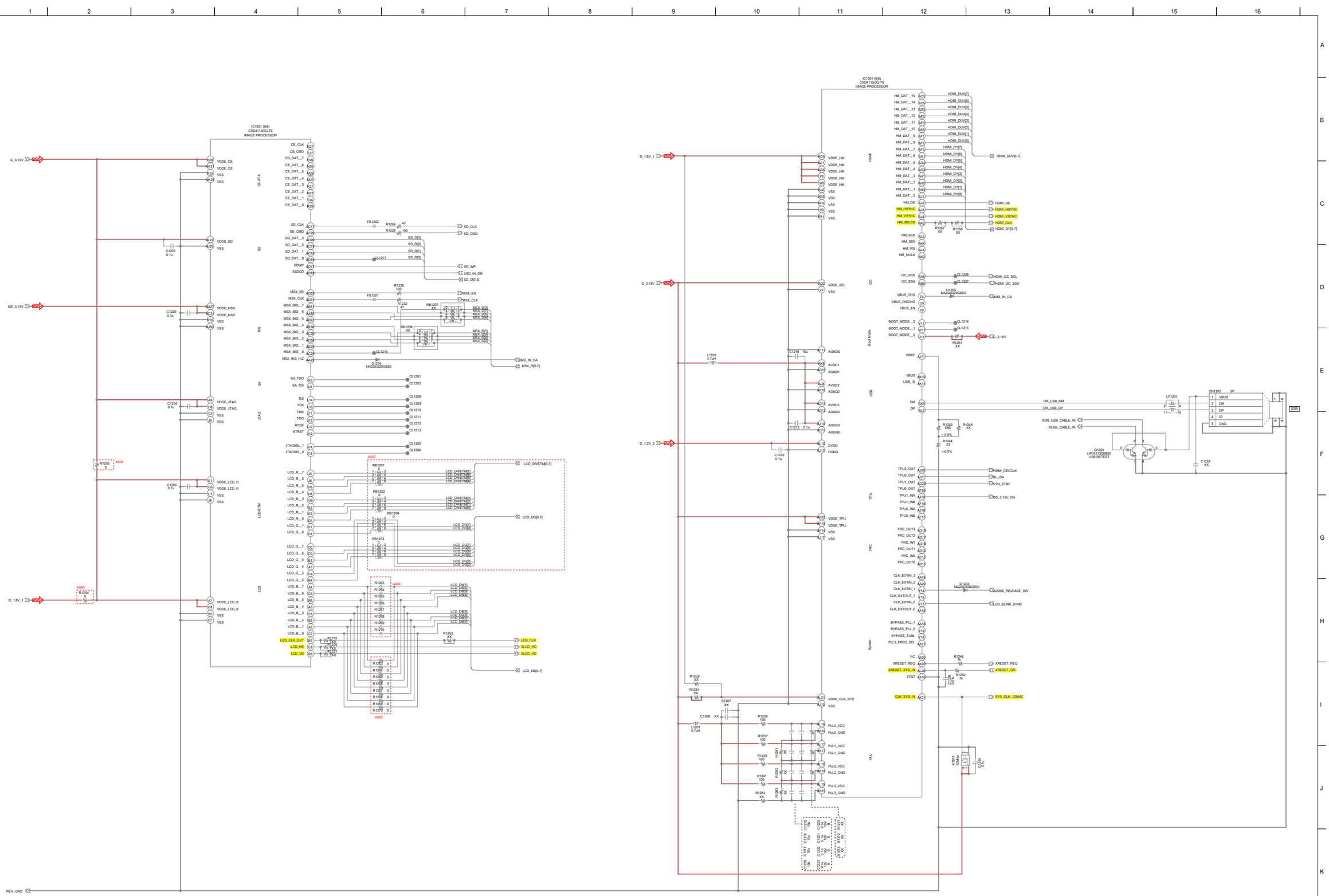
AM-019 BOARD (3/21)

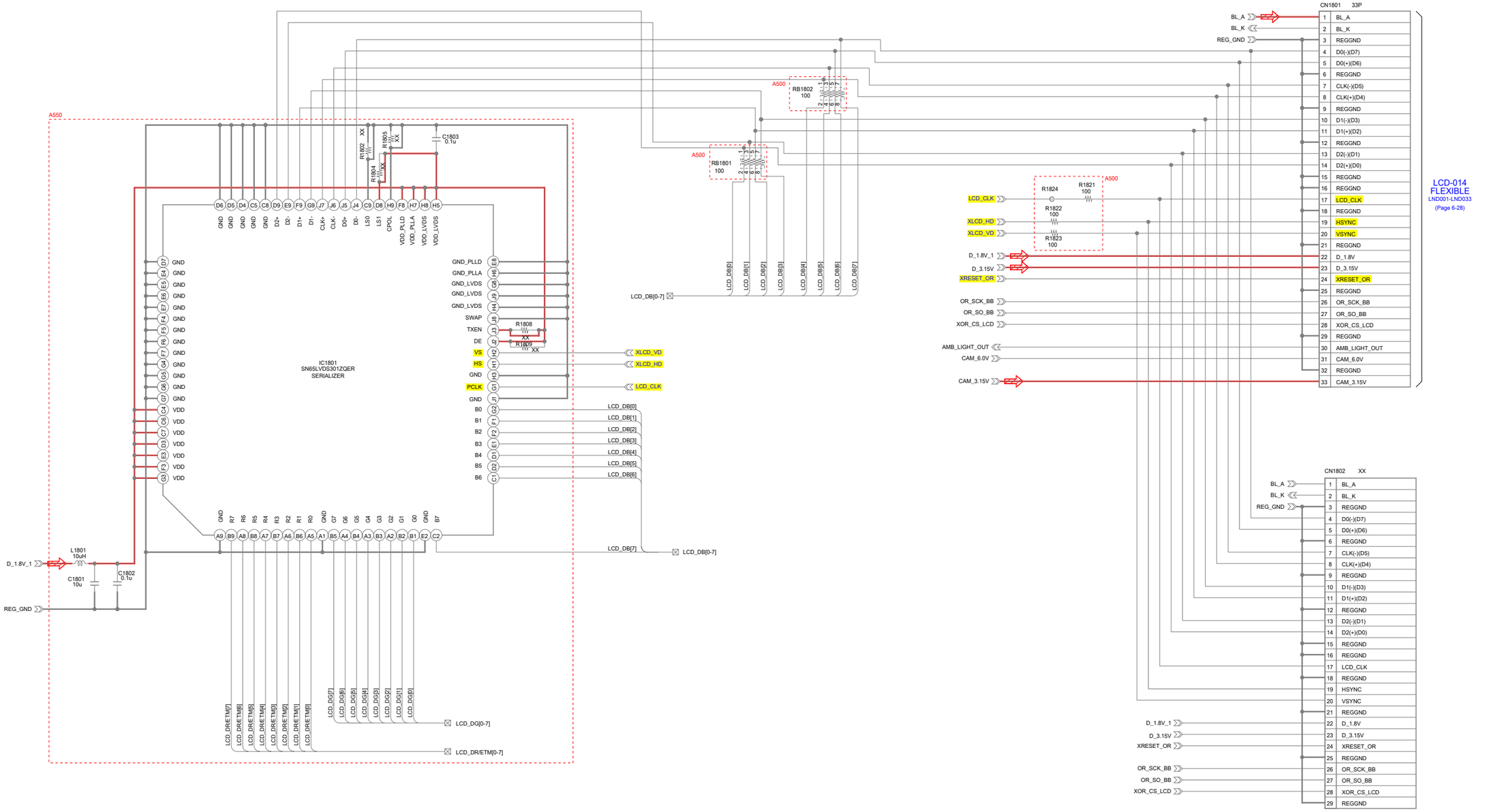
DFE

XX MARK:NO MOUNT


IC1005
PF48F3000M0YQGE-002
128M FLASH
IC1001 (1/6)
CXD4115GG-T6
IMAGE PROCESSOR
IC1002 (4/4)
CXD9974GG
DEF
IC1003
EDE5116AJBG-6E-E (512M) A600
EDE5116AEBG-8E-F-TR (1G) A550
SDRAM
IC1004
EDE5116AJBG-6E-E (512M) A600
EDE5116AEBG-8E-F-TR (1G) A550
SDRAM
EMC I/F
DDR2 I/F
DDR2 SDRAM I/F
D_1.8V_1
D_1.2V_1
REG_GND
AM-019 BOARD (4/12)
DEF, IMAGE PROCESSOR, FLASH, SDRAM
XX MARK:NO MOUNT


IC1001 (2/6) CXD4115GG-T6 IMAGE PROCESSOR
GPIO_S
ETC
UART
SIO
SIO
SIO
inAVDS
Imager I/F
IC1001 (3/6) CXD4115GG-T6 IMAGE PROCESSOR
Video Out
ADC
Audio Codec
Audio Out/In
PCI/CP
IC1001 (4/6) CXD4115GG-T6 IMAGE PROCESSOR
Core Power
D_3.15V
D_1.8V_1
D_1.2V_2
REG_GND
OR_MEM_SEL0
OR_MEM_SEL1
AS50
AG00
AM-019 BOARD (5/21)
IMAGE PROCESSOR
XX MARK:NO MOUNT

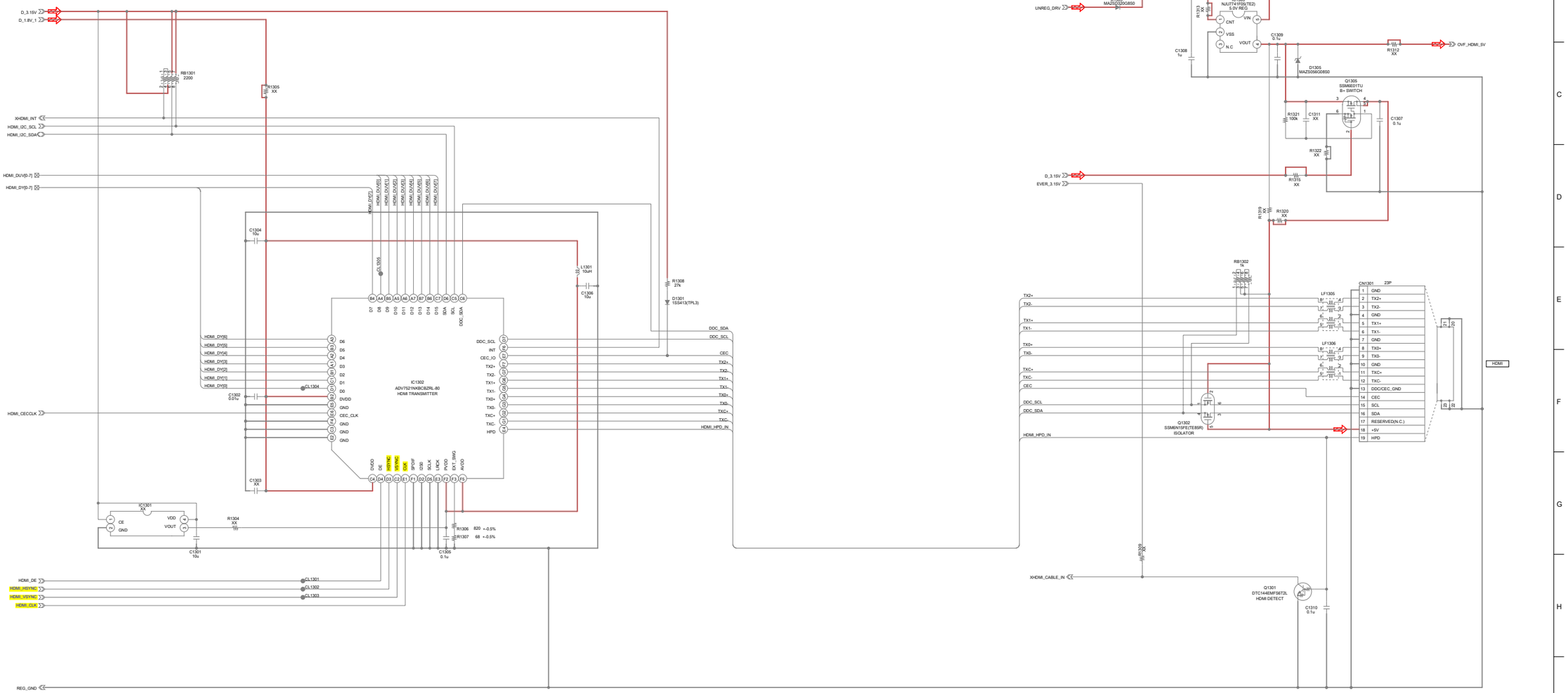

IC1001 (5/6)
CXD4115GG-T6
IMAGE PROCESSOR
CE-ATA
SD
MS
SA
JTAG
LCD/ETM
LCD
IC1001 (6/6)
CXD4115GG-T6
IMAGE PROCESSOR
HDMI
I2C
Boot Mode
USB
TPU
FRC
System
PLL
AM-019 BOARD (6/21)
IMAGE PROCESSOR
XX MARK:NO MOUNT



AM-019 BOARD (7/21)

SERIALIZER

XX MARK:NO MOUNT

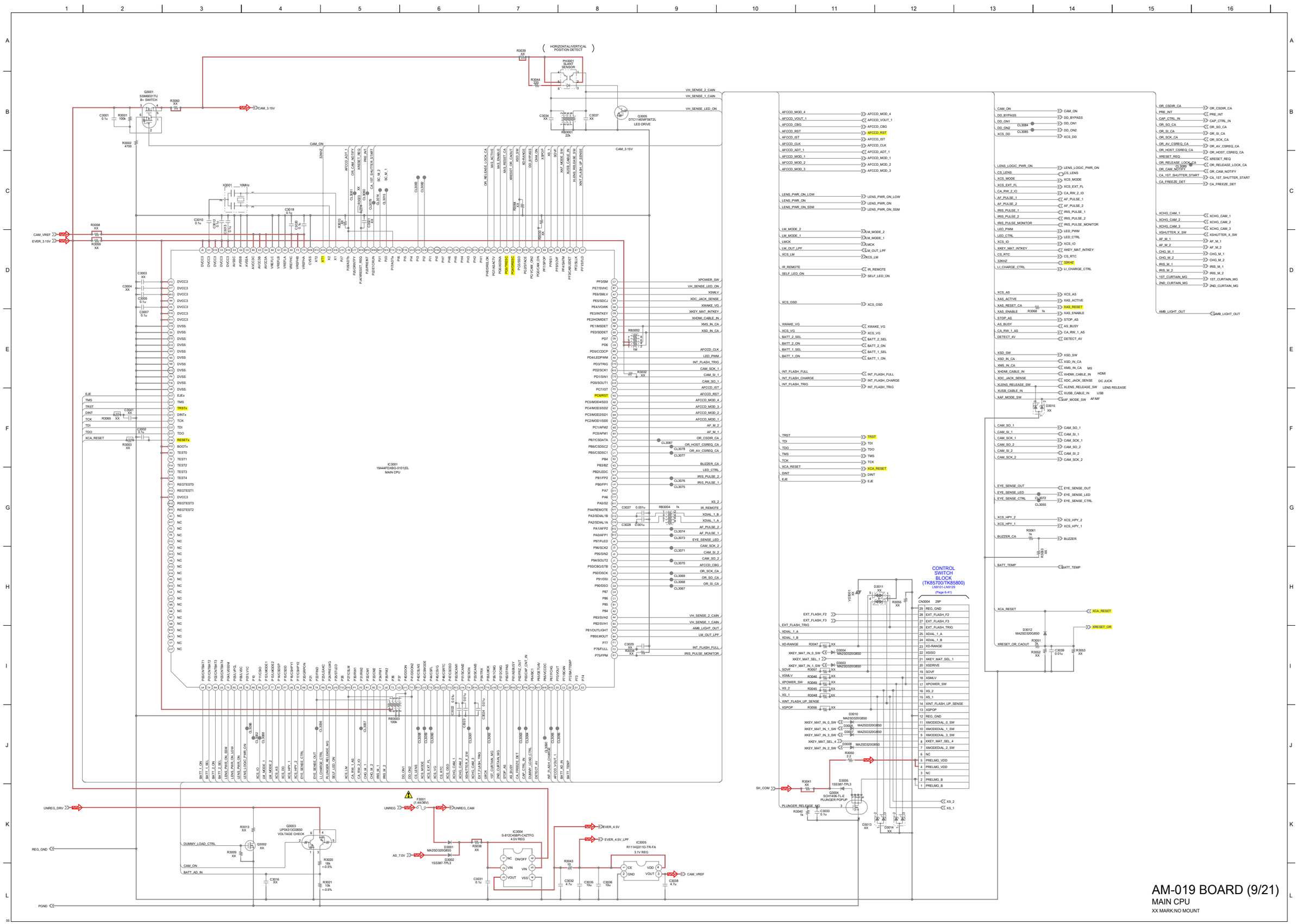


AM-019 BOARD (8/21)

HDMI OUT

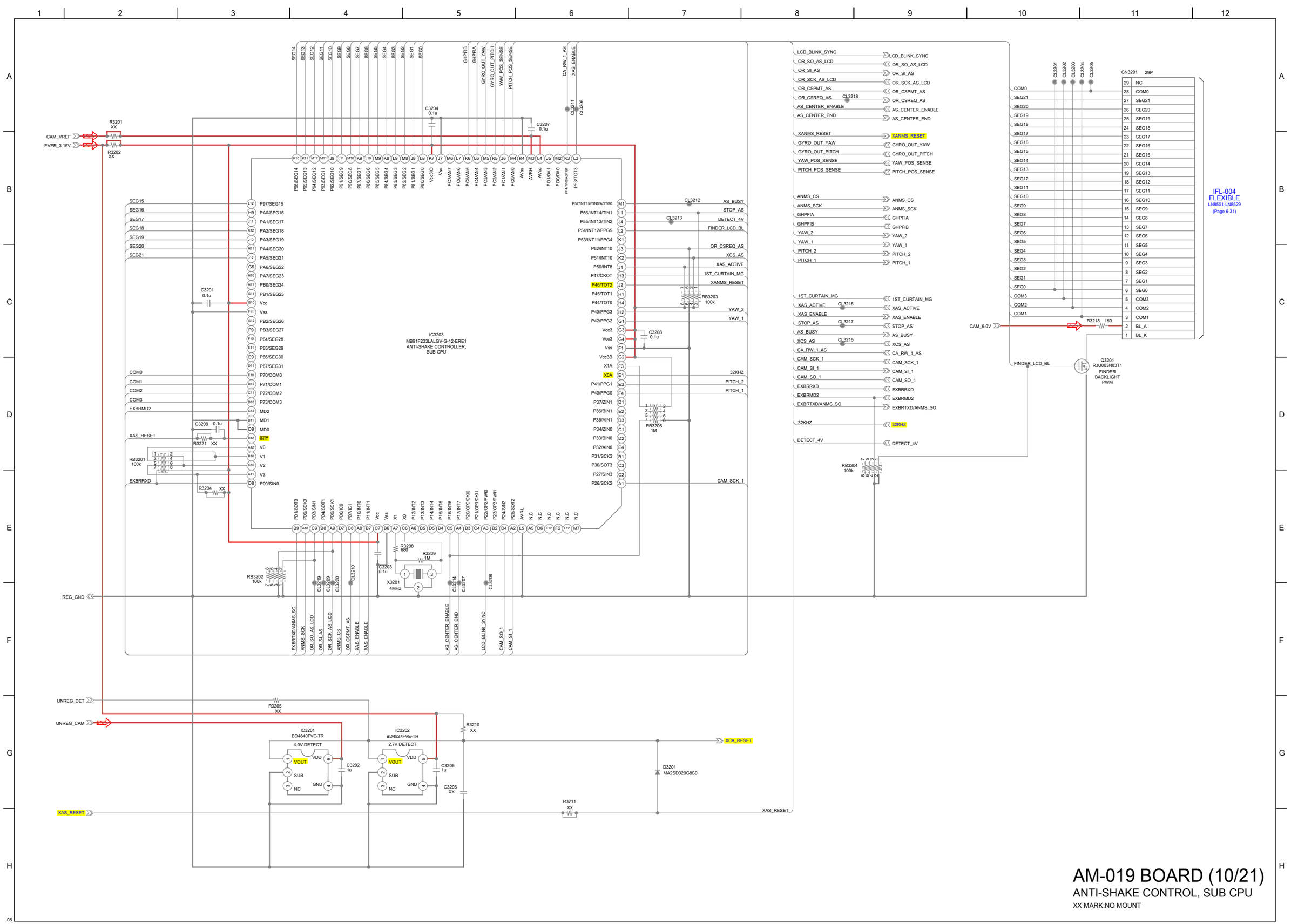
XX MARK:NO MOUNT

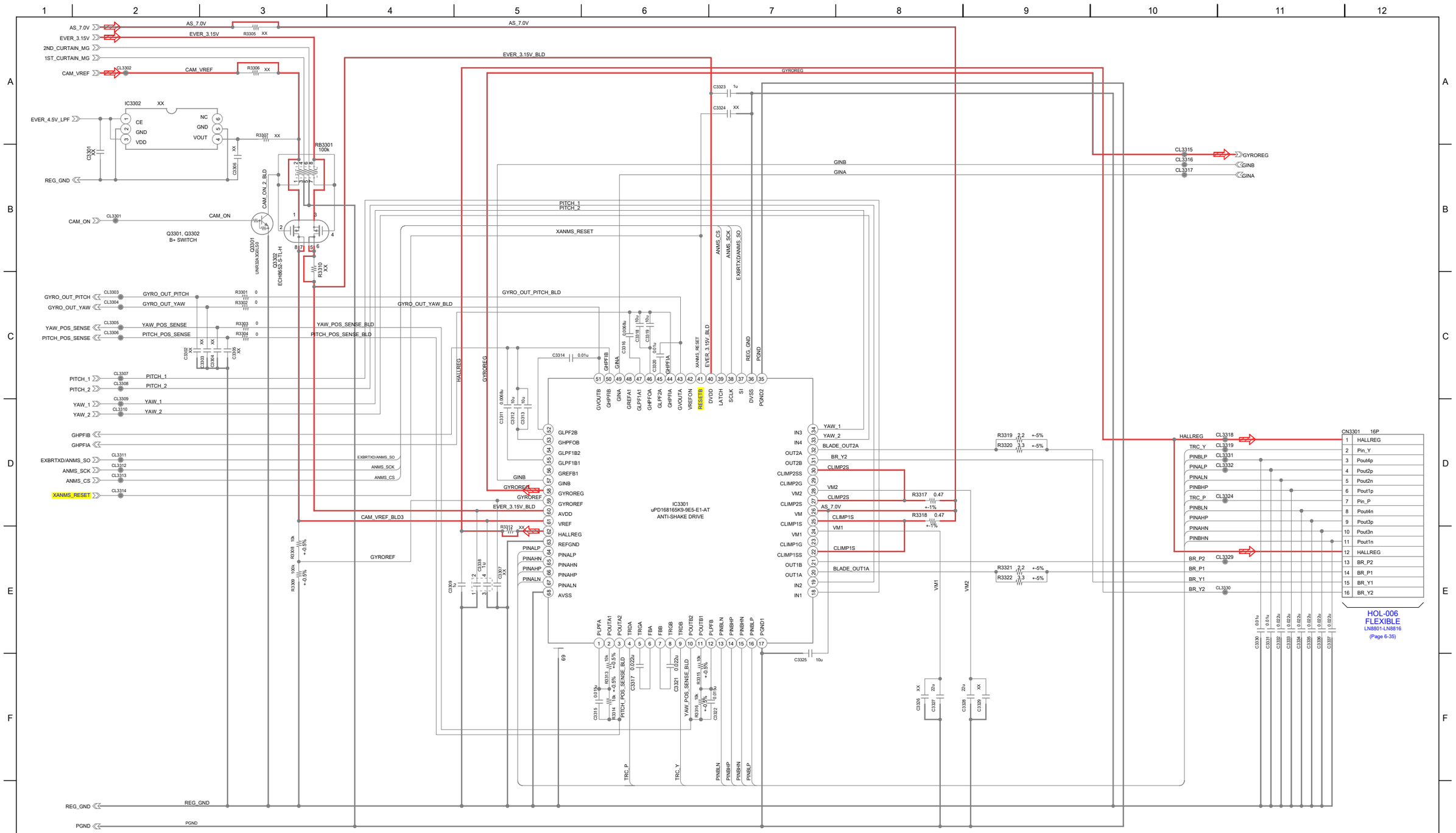
• Refer to page 6-1 for mark ⚠.



DSLR-A500/A550_L3

AM-019 (9/21)

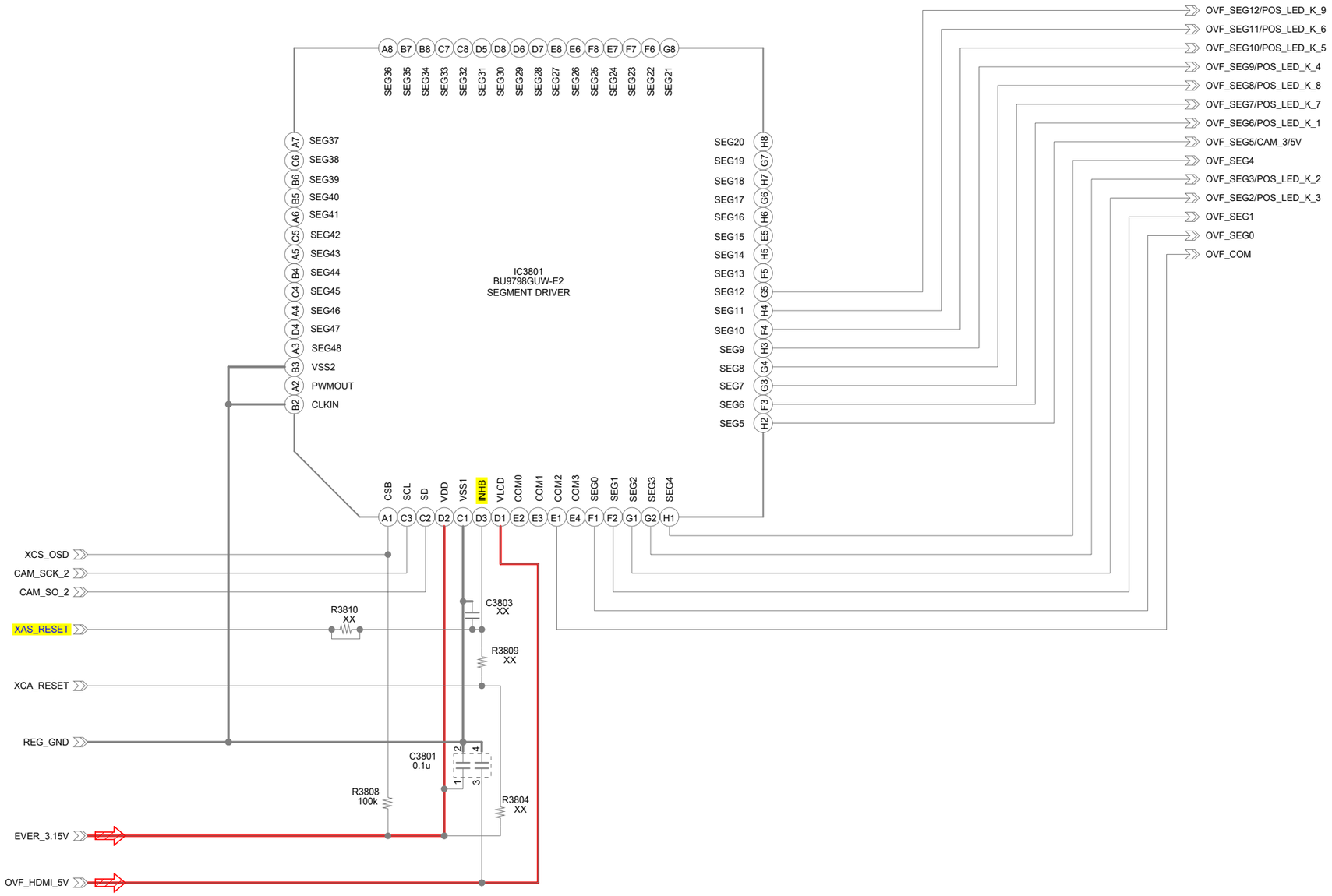

IC3203
MB91F233LALGV-G-12-ERE1
ANTI-SHAKE CONTROLLER, SUB CPU
IC3201
BD4840FVE-TR
4.0V DETECT
IC3202
BD4827FVE-TR
2.7V DETECT
CN3201 29P
IFL-004
FLEXIBLE
LN8501-LN8529
(Page 6-31)
FINDER BACKLIGHT PWM
AM-019 BOARD (10/21)
ANTI-SHAKE CONTROL, SUB CPU
XX MARK:NO MOUNT



AM-019 BOARD (11/21)

ANTI-SHAKE DRIVE

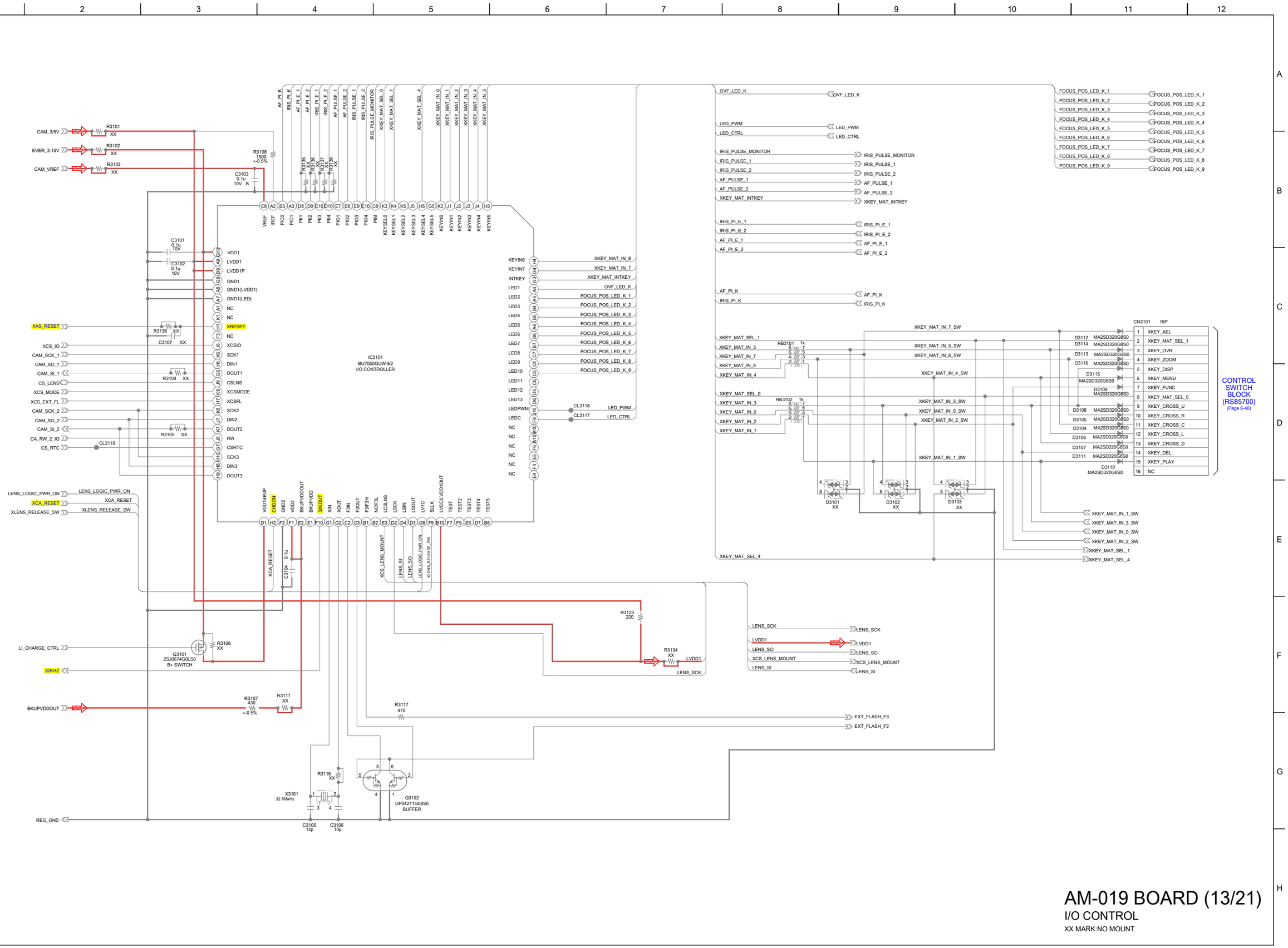
XX MARK:NO MOUNT



AM-019 BOARD (12/21)

SEGMENT DRIVER

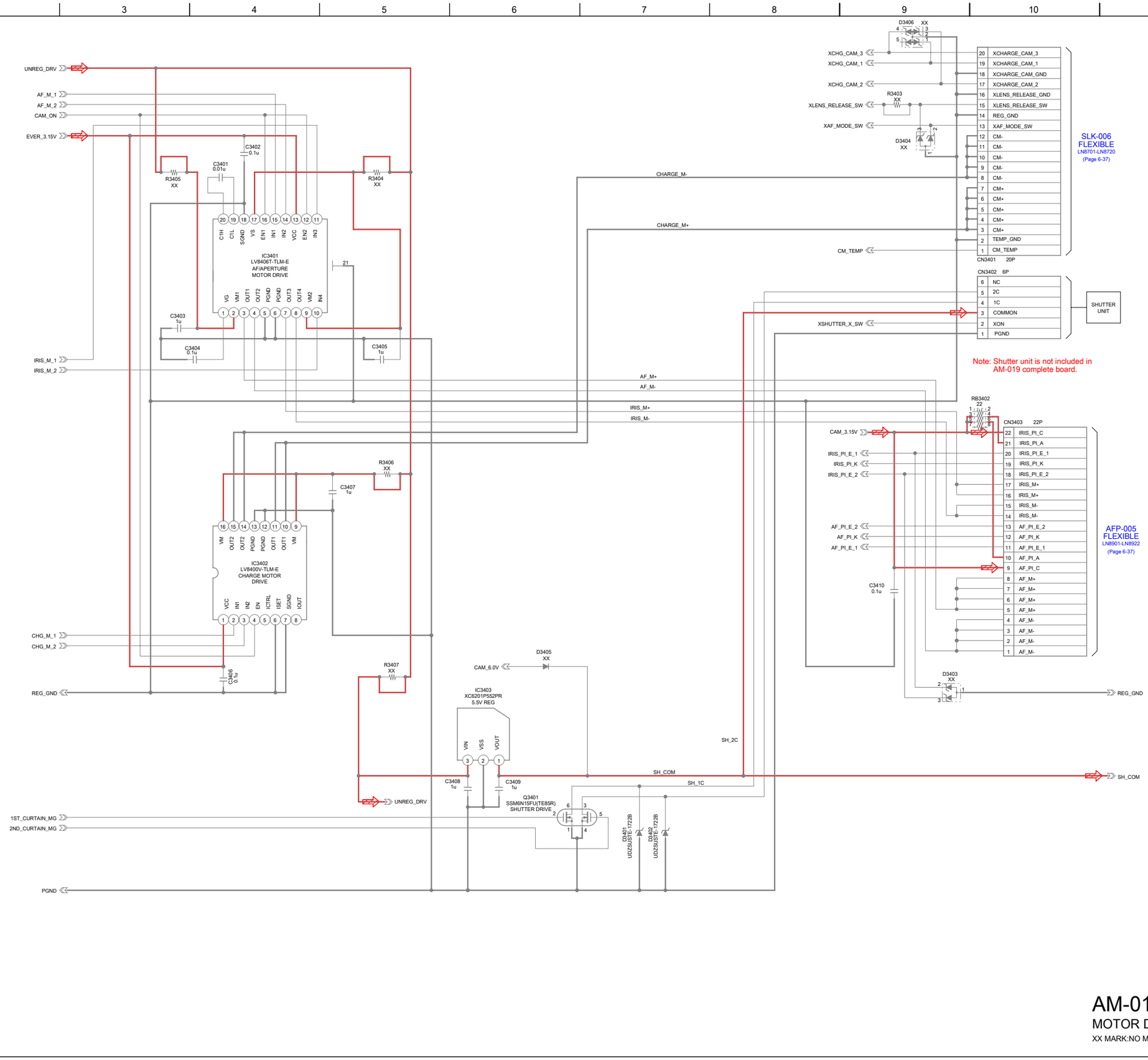
XX MARK:NO MOUNT



AM-019 BOARD (13/21)

I/O CONTROL

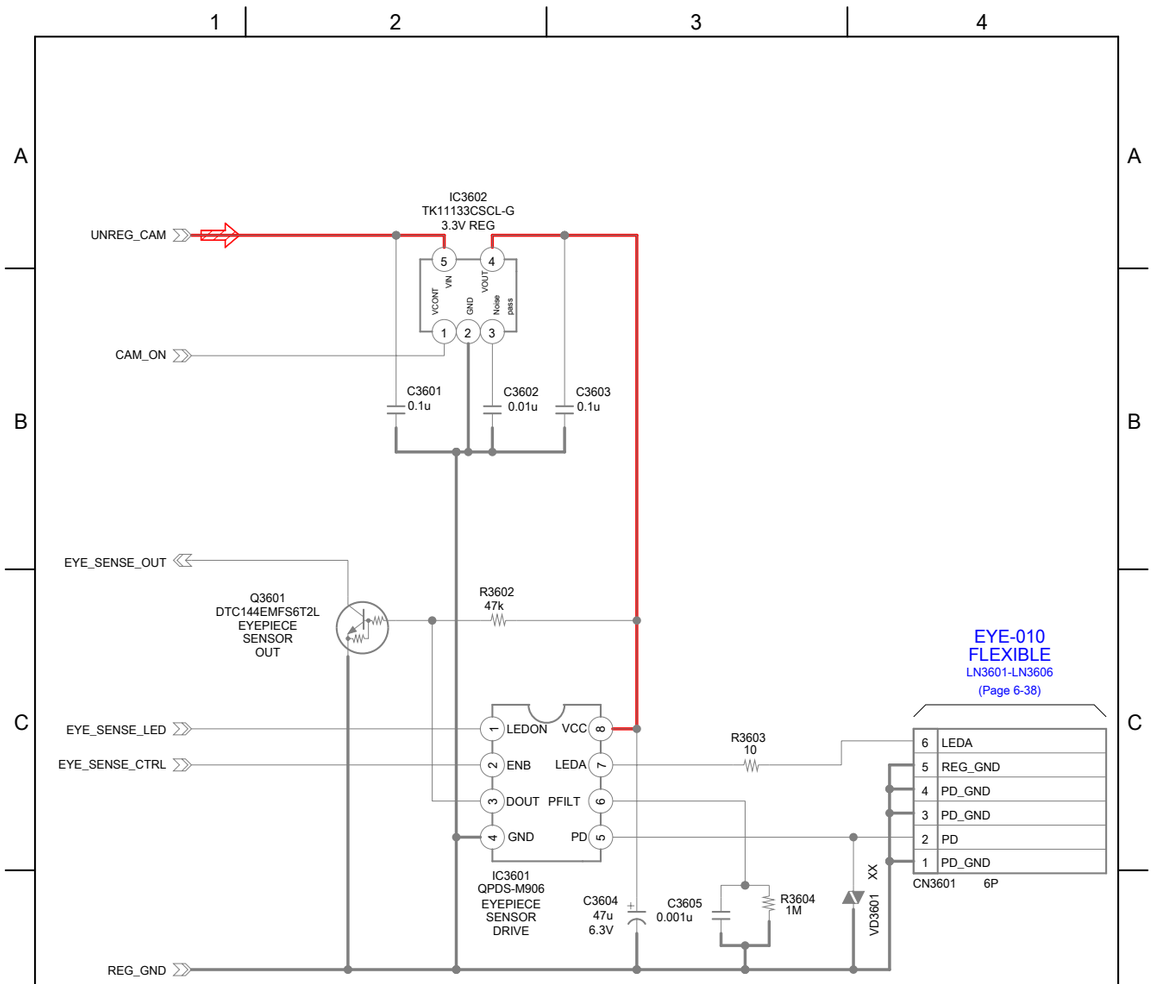
XX MARK:NO MOUNT



AM-019 BOARD (14/21)

MOTOR DRIVE

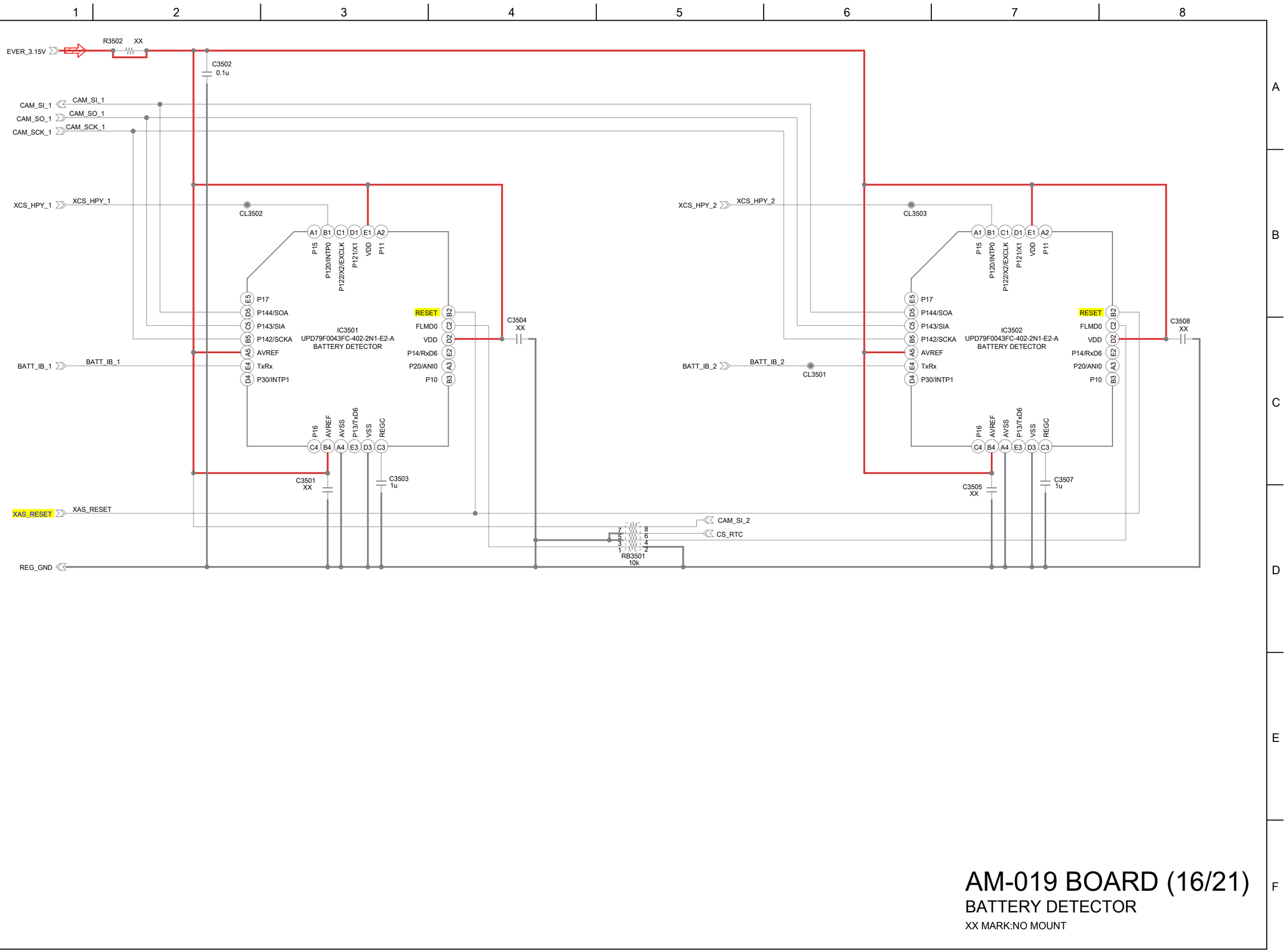
XX MARK:NO MOUNT



AM-019 BOARD (15/21)

EYEPIECE SENSOR DRIVE

XX MARK:NO MOUNT

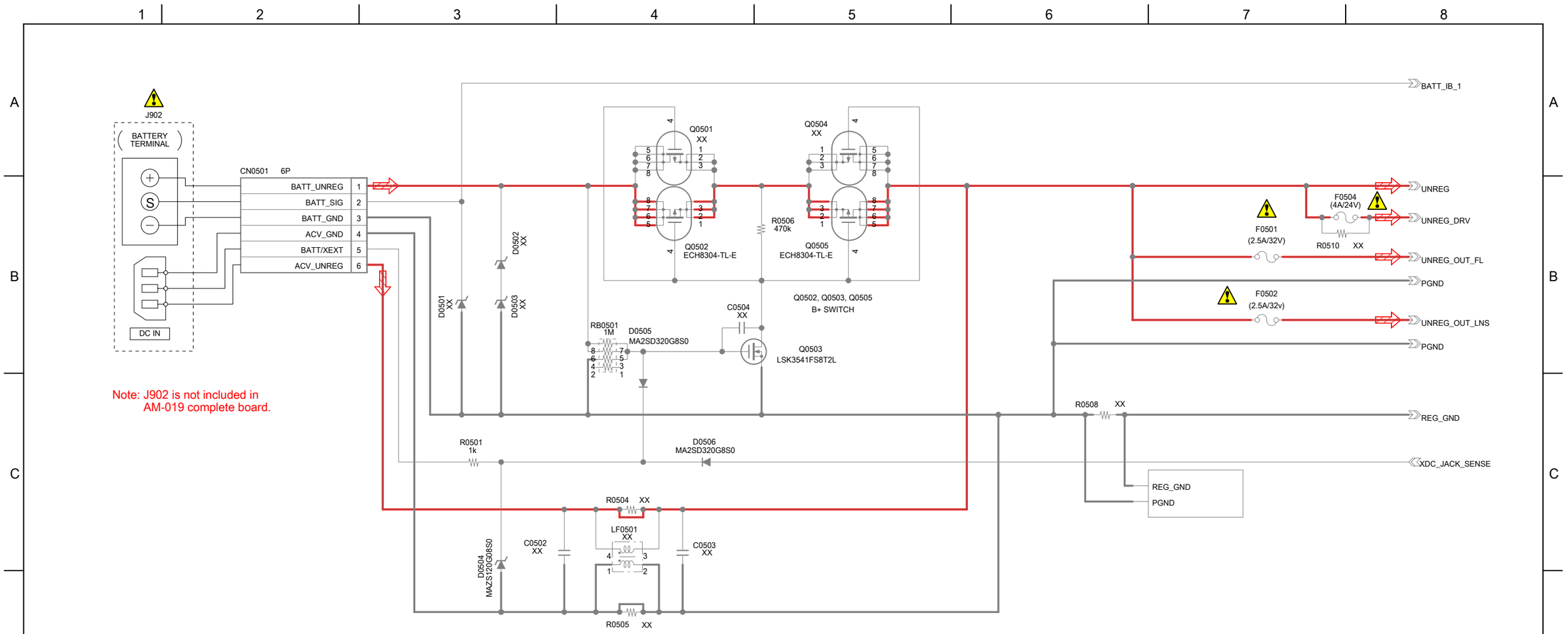


AM-019 BOARD (16/21)

BATTERY DETECTOR

XX MARK:NO MOUNT

• Refer to page 6-1 for mark ⚠.

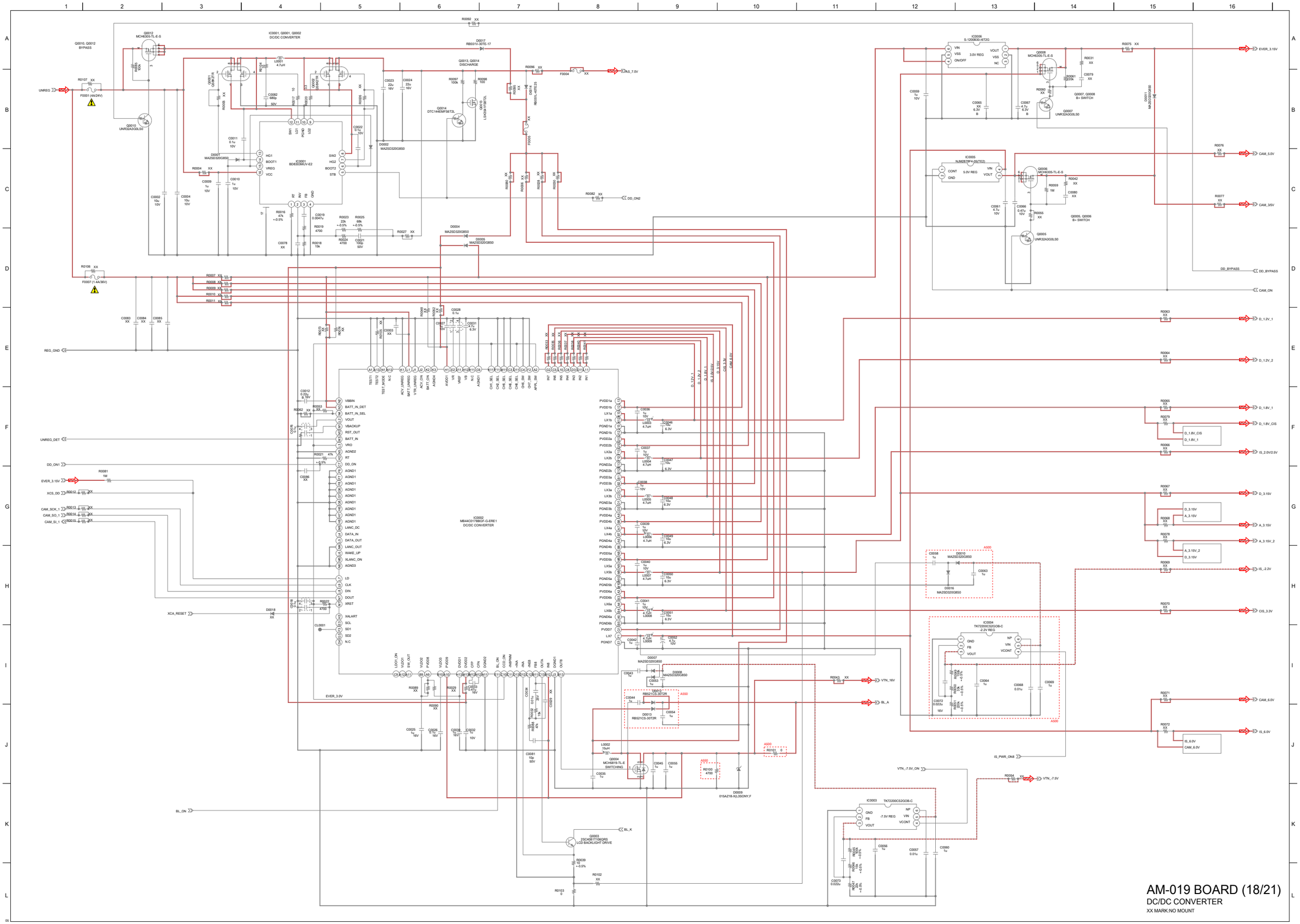


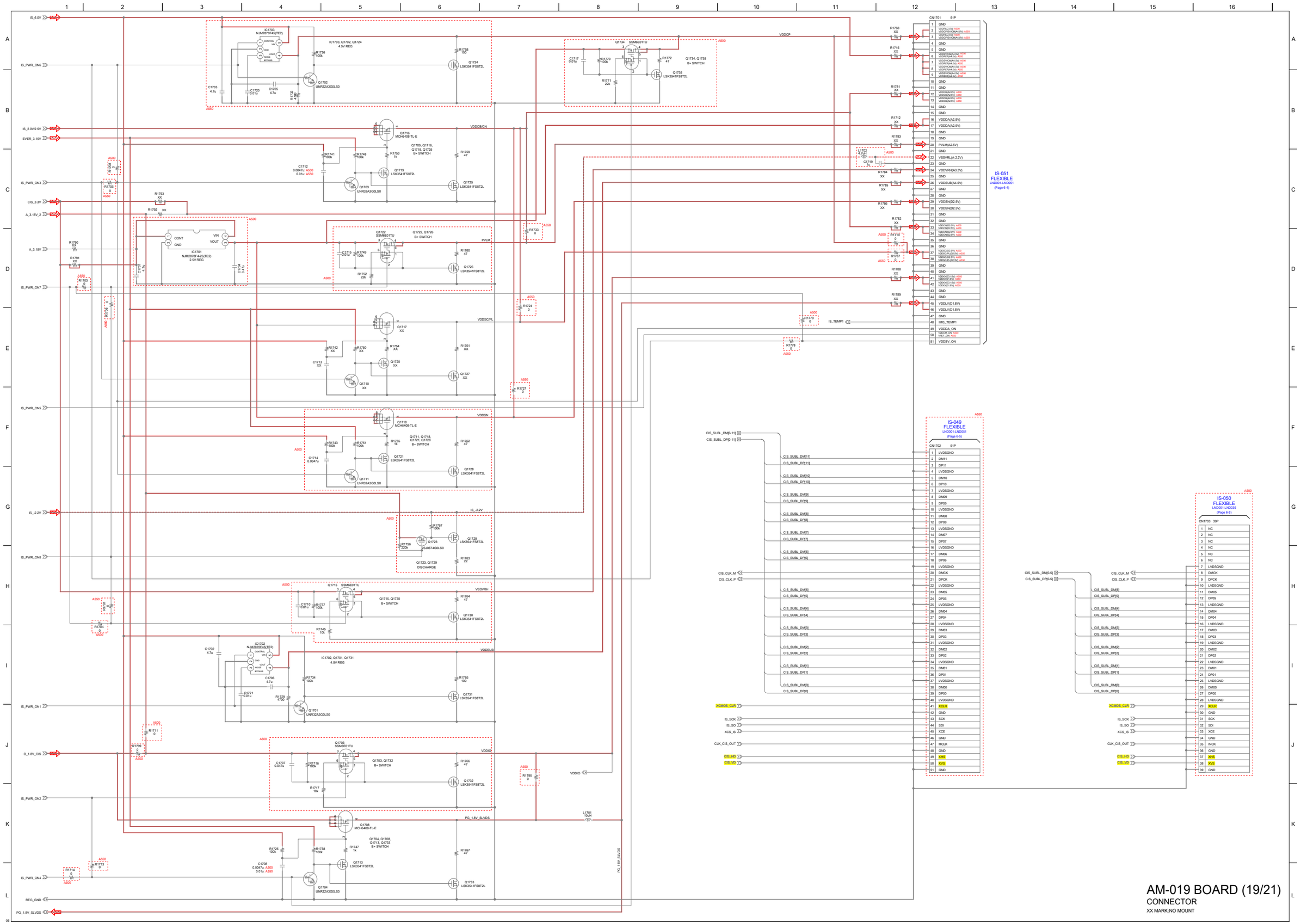
AM-019 BOARD (17/21)

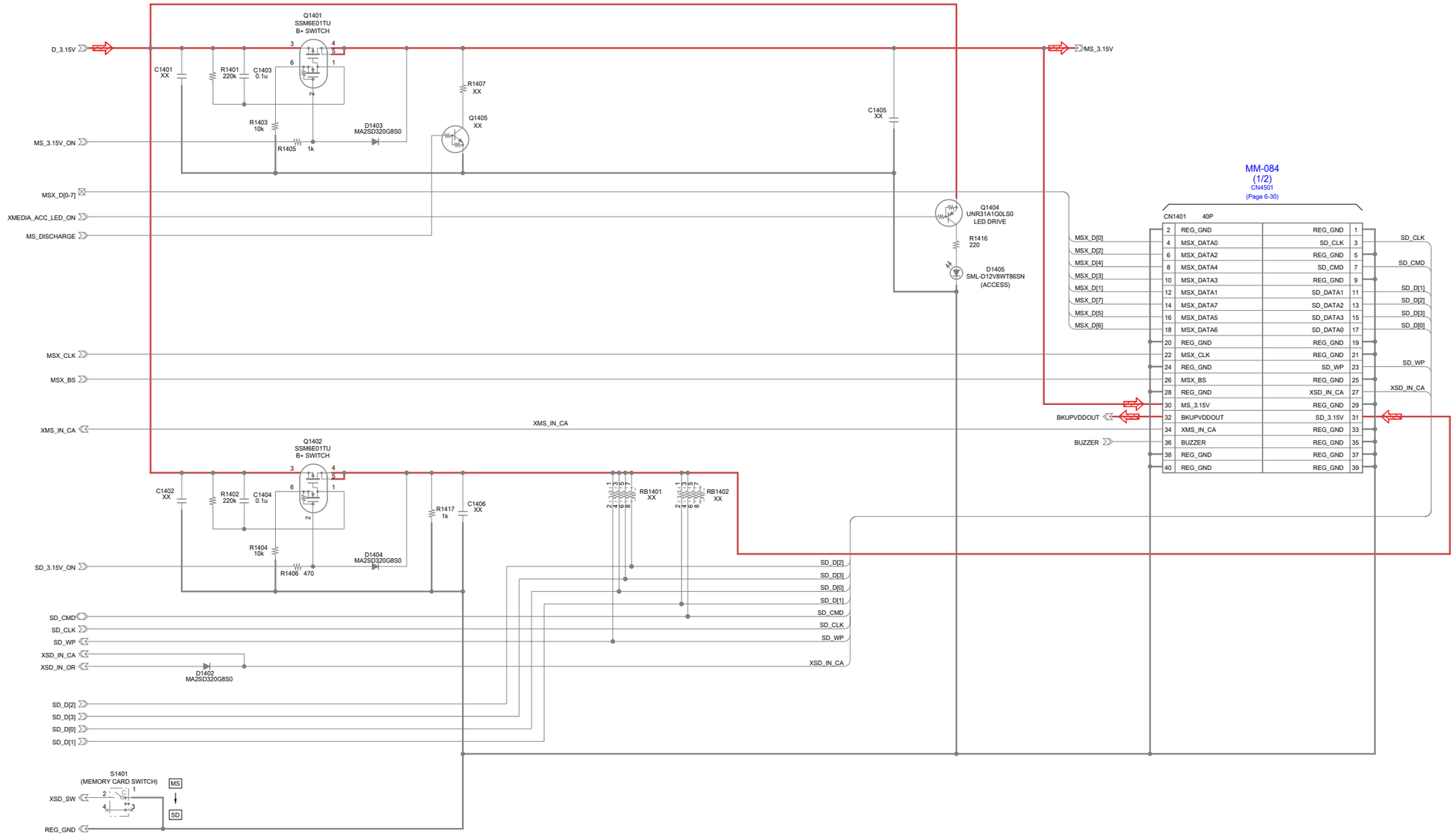
DC IN

XX MARK:NO MOUNT

• Refer to page 6-1 for mark ⚠.



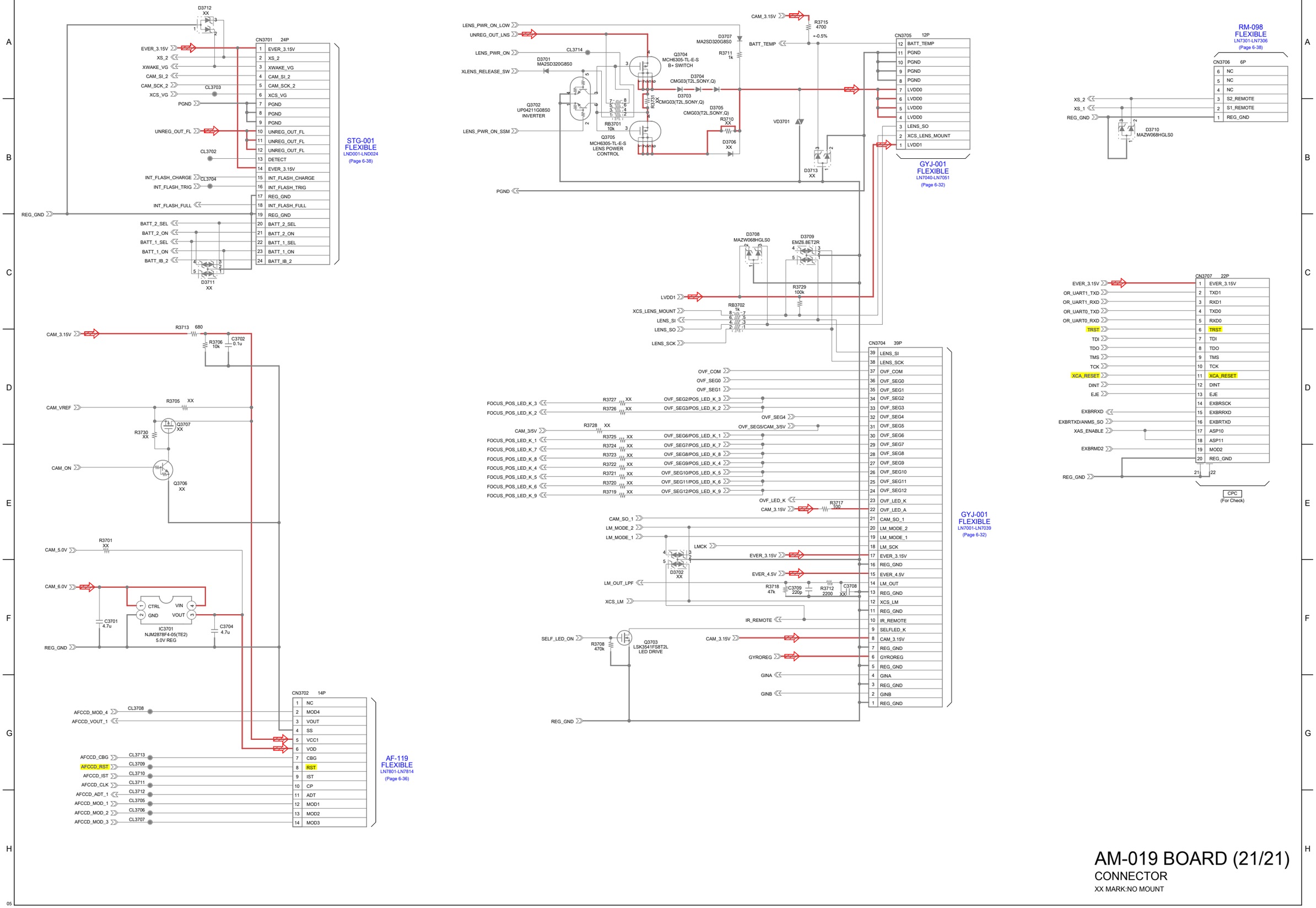

IS_6.0V
IS_PWR_ON6
IS_2.0V/2.5V
EVER_3.15V
IS_PWR_ON3
CIS_3.3V
A_3.15V_2
A_3.15V
IS_PWR_ON7
IS_PWR_ON5
IS_-2.2V
IS_PWR_ON8
IS_PWR_ON1
D_1.8V_CIS
IS_PWR_ON2
IS_PWR_ON4
REG_GND
PG_1.8V_SLVDS
IC1703 NJM2870F45(TE2)
IC1703, Q1702, Q1724 4.9V REG
IC1701 NJM2878F4-25(TE2) 2.5V REG
IC1702 NJM2870F45(TE2)
IC1702, Q1701, Q1731 4.5V REG
Q1716 MCH6408-TL-E
Q1709, Q1716, Q1719, Q1725 B+ SWITCH
Q1722 SSM6E01TU
Q1722, Q1726 B+ SWITCH
Q1717 XX
Q1720 XX
Q1710 XX
Q1727 XX
Q1718 MCH6408-TL-E
Q1711, Q1718, Q1721, Q1728 B+ SWITCH
Q1721 LSK3541FS8T2L
Q1711 UNR32A3G0LS0
Q1723 SSM6G04DLS0
Q1723, Q1729 DISCHARGE
Q1715 SSM6E01TU
Q1715, Q1730 B+ SWITCH
Q1703 SSM6E01TU
Q1703, Q1732 B+ SWITCH
Q1708 MCH6408-TL-E
Q1704, Q1708, Q1713, Q1733 B+ SWITCH
Q1704 UNR32A3G0LS0
Q1734 SSM6E01TU
Q1734, Q1735 B+ SWITCH
Q1735 LSK3541FS8T2L
VDDCP
VDDCB/CN
VDDSC/PL
VDDSN
VSSVRH
VDDSUB
PVLM
VDDIO
PG_1.8V_SLVDS
CN701 51P
CN1702 51P
CN1703 39P
IS-051 FLEXIBLE LND001-LND051 (Page 6-4)
IS-049 FLEXIBLE LND001-LND051 (Page 6-5)
IS-050 FLEXIBLE LND001-LND039 (Page 6-5)
GND
VDDA(A2.8V)
PVLM(A2.9V)
VSSVRL(A-2.2V)
VDDVRH(A3.3V)
VDDSUB(A4.5V)
VDDSN(D2.5V)
VDDIO(D2.9V)
VDDSC(D2.5V)
VDDSC/PLSE(D2.5V)
VDDD(D3.15V)
VDDVLD(1.8V)
IMG_TEMP1
VDDDA_ON
VDDVD_ON
CIS_SUBL_DM[0-11]
CIS_SUBL_DP[0-11]
CIS_CLK_M
CIS_CLK_P
XCMOS_CLR
IS_SCK
IS_SO
XCS_IS
CLK_CIS_OUT
CIS_HD
CIS_VD
LVDSGND
DM11
DP11
DM10
DP10
DM09
DP09
DM08
DP08
DM07
DP07
DM06
DP06
DMCK
DPCK
DM05
DP05
DM04
DP04
DM03
DP03
DM02
DP02
DM01
DP01
DM00
DP00
MCLK
XHS
XVS
NC
SCK
SDI
XCE
INCK
XHS
XVS
L1701 10uH
L1702 4.7uH
AM-019 BOARD (19/21)
CONNECTOR
XX MARK:NO MOUNT



AM-019 BOARD (20/21)

CONNECTOR

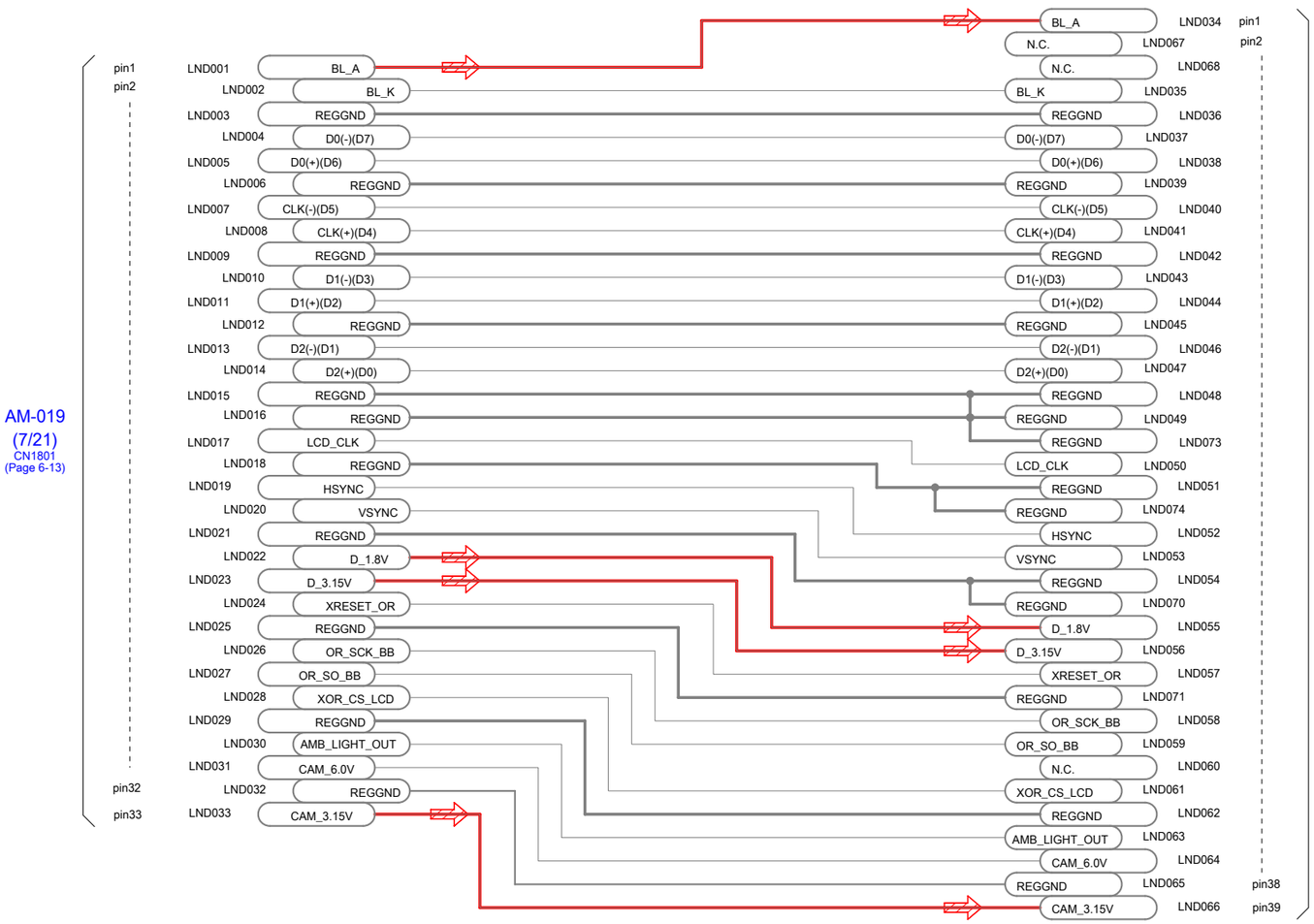
XX MARK:NO MOUNT



AM-019 BOARD (21/21)

CONNECTOR

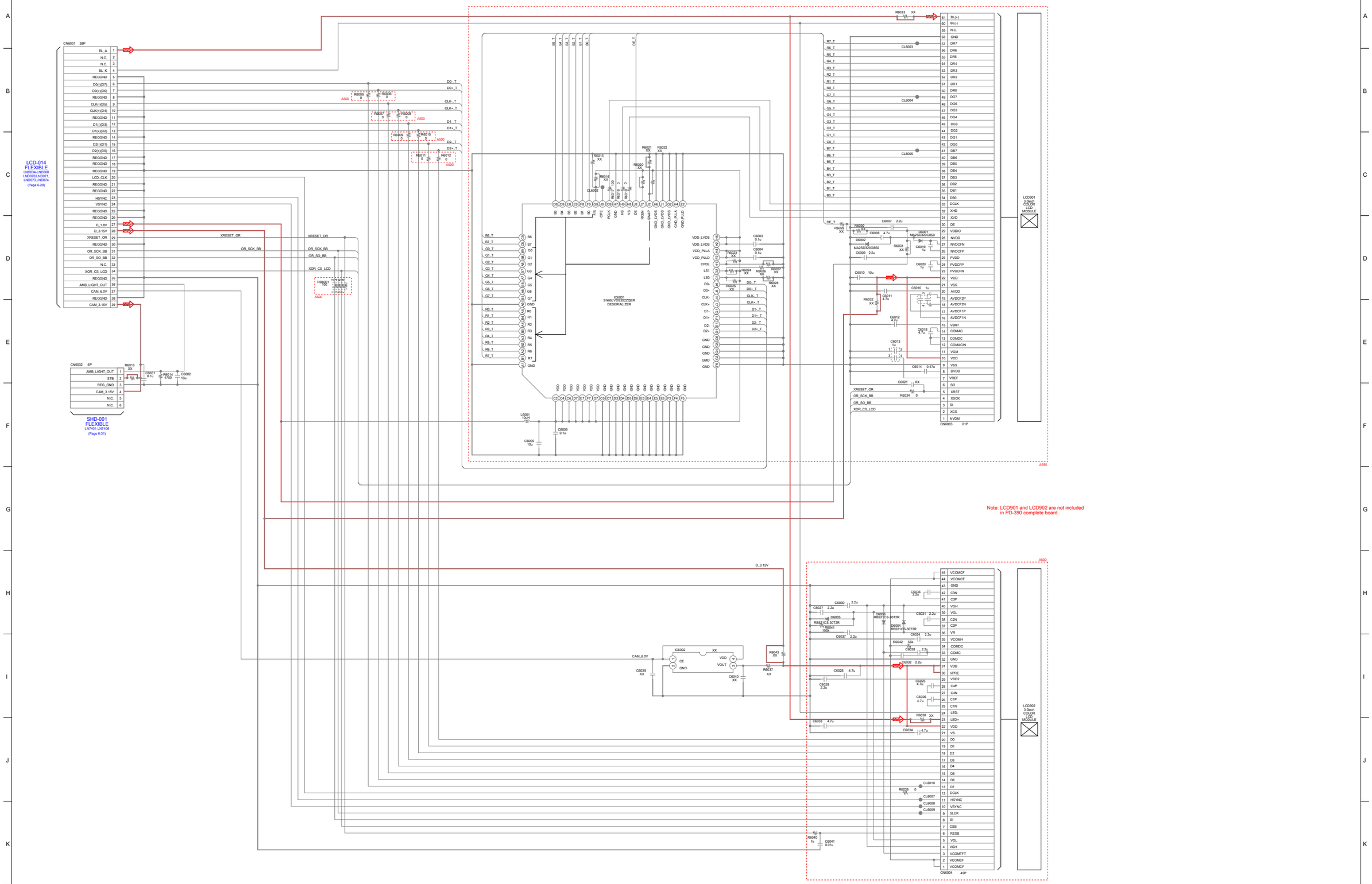
XX MARK:NO MOUNT



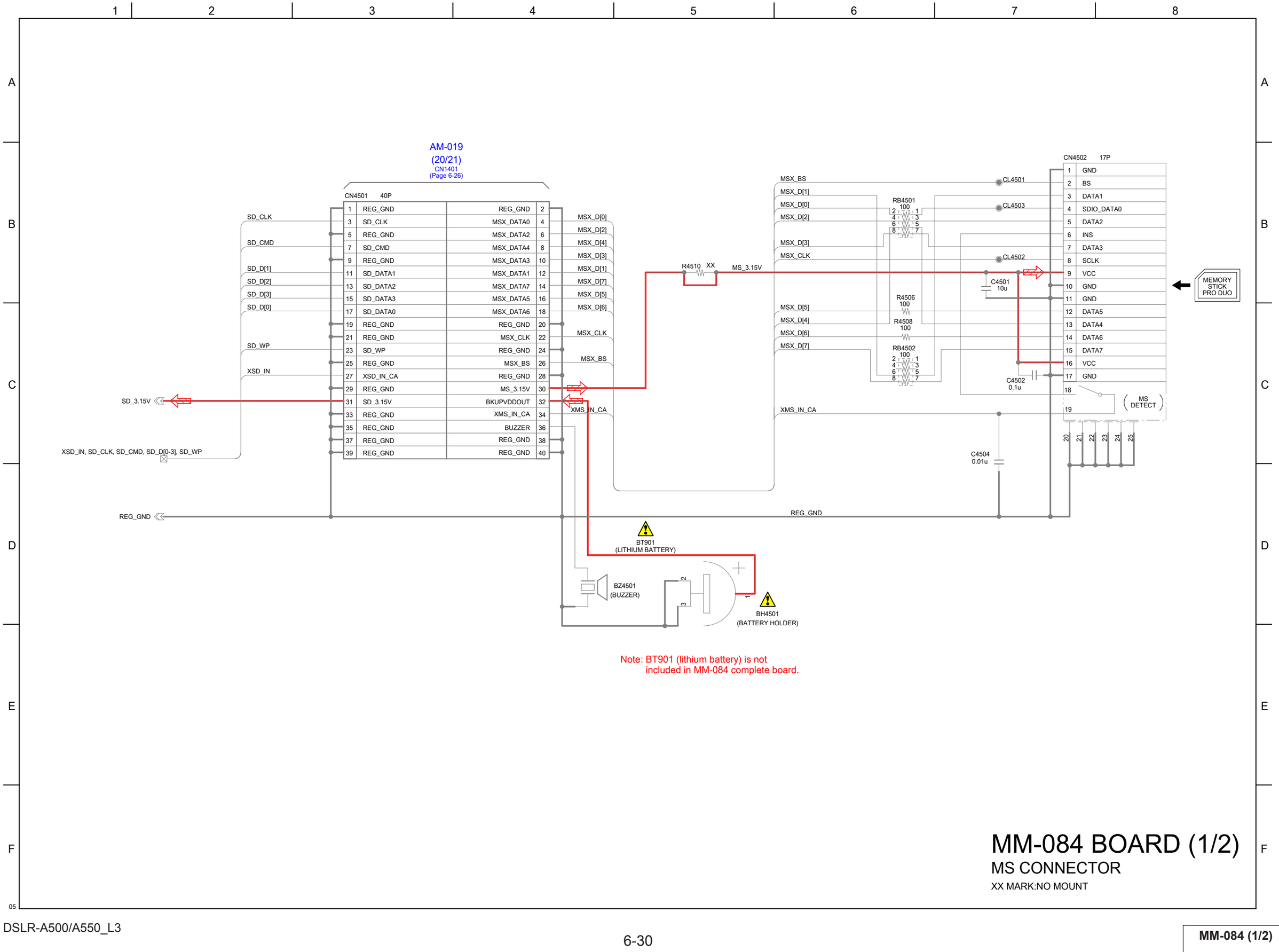
LCD-014 FLEXIBLE BOARD

AM-PD CONNECTION

(PRINTED WIRING BOARD is omitted.)



PD-390 BOARD
LCD
XX MARK:NO MOUNT

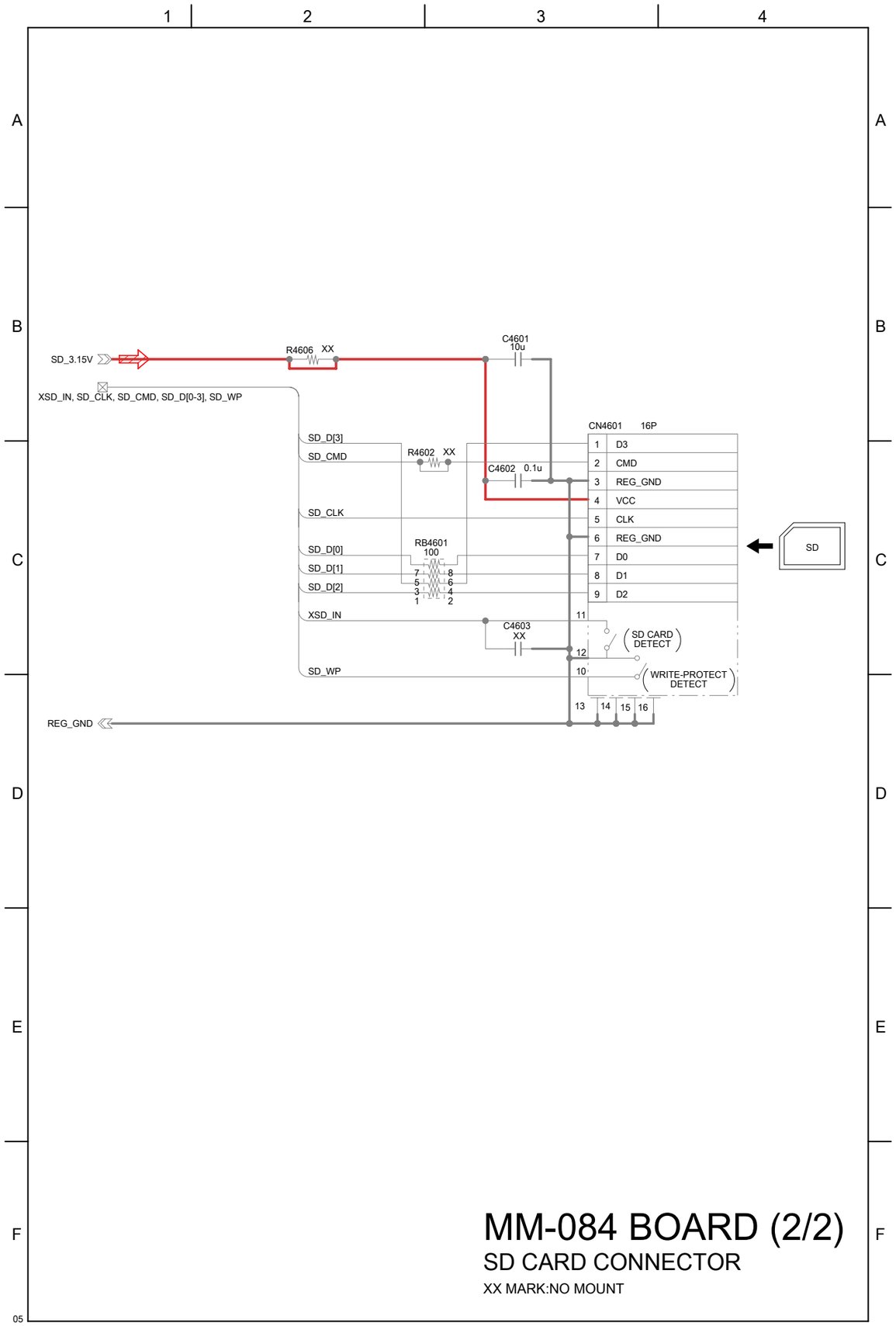


Note: BT901 (lithium battery) is not included in MM-084 complete board.

MM-084 BOARD (1/2)

MS CONNECTOR

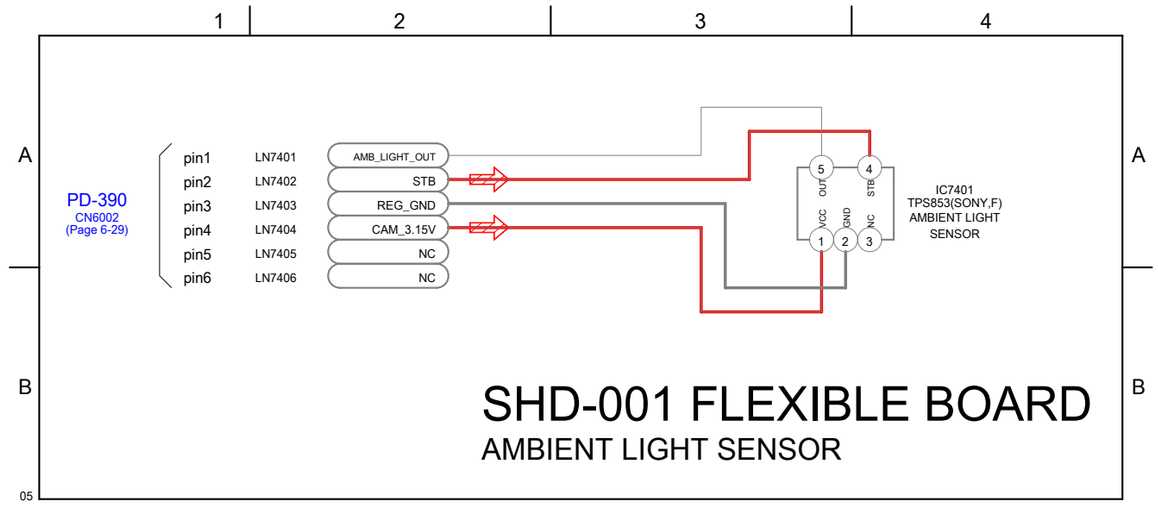
XX MARK:NO MOUNT



MM-084 BOARD (2/2)

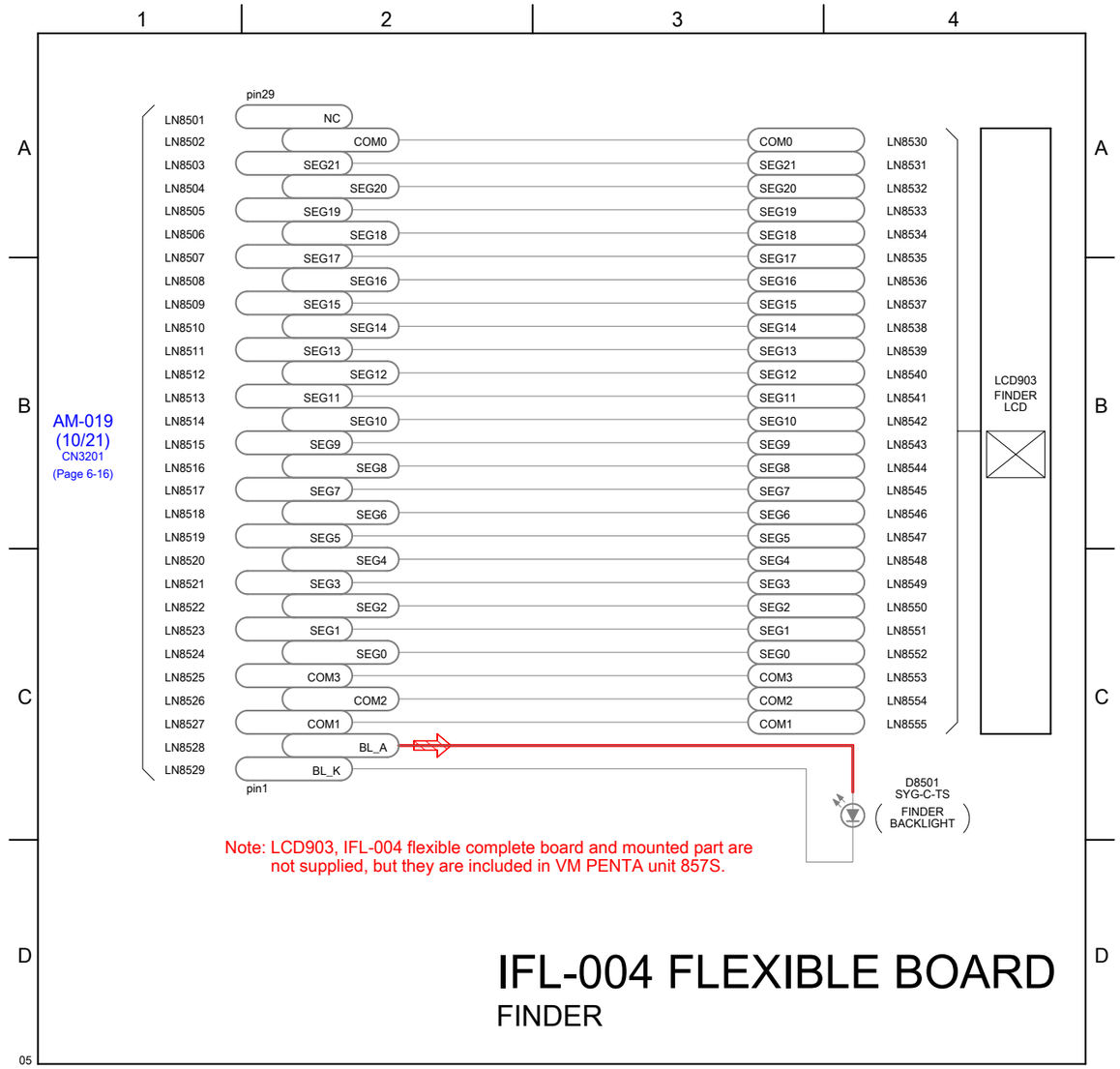
SD CARD CONNECTOR

XX MARK:NO MOUNT



SHD-001 FLEXIBLE BOARD

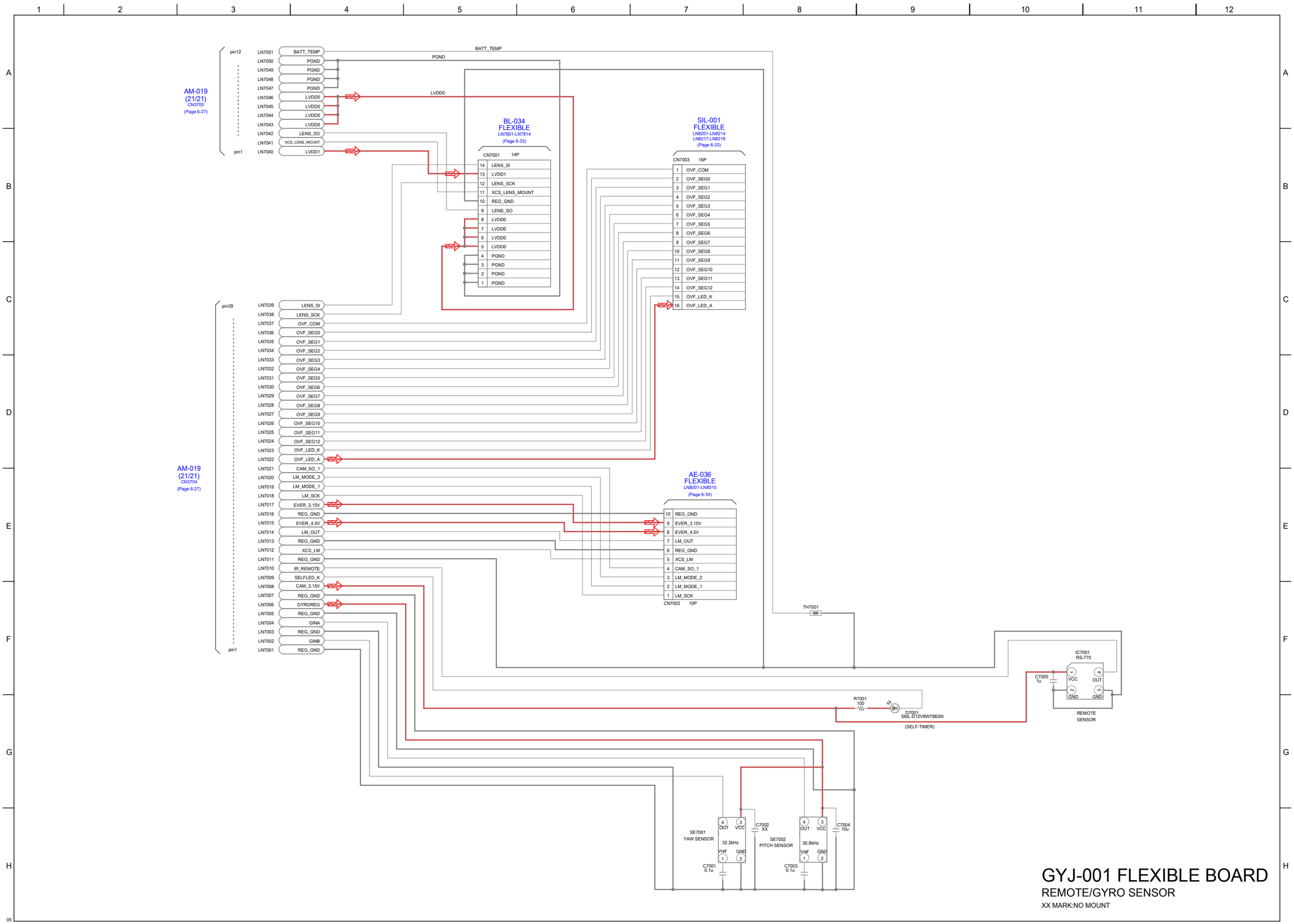
AMBIENT LIGHT SENSOR



Note: LCD903, IFL-004 flexible complete board and mounted part are not supplied, but they are included in VM PENTA unit 857S.

IFL-004 FLEXIBLE BOARD

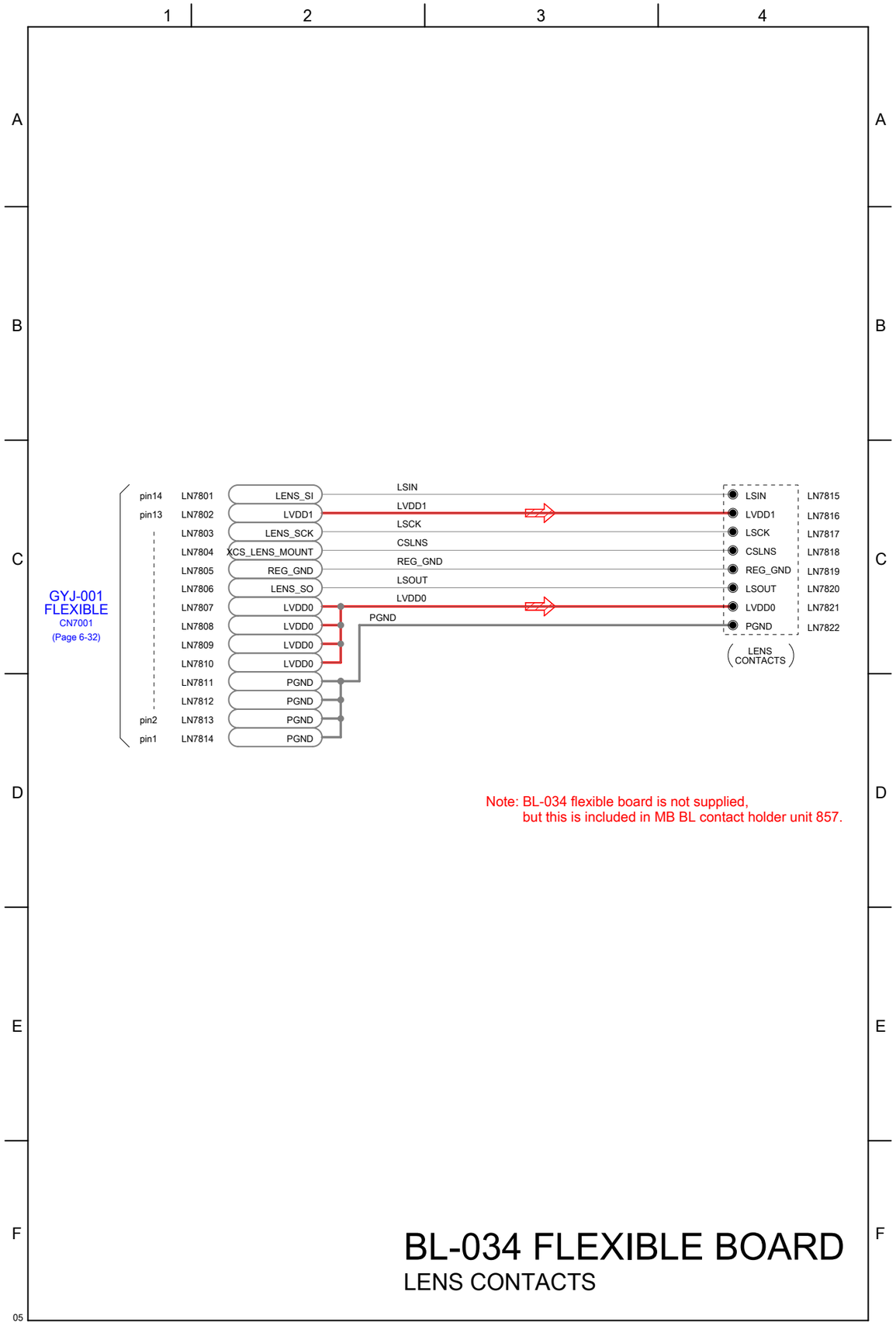
FINDER



GYJ-001 FLEXIBLE BOARD

REMOTE/GYRO SENSOR

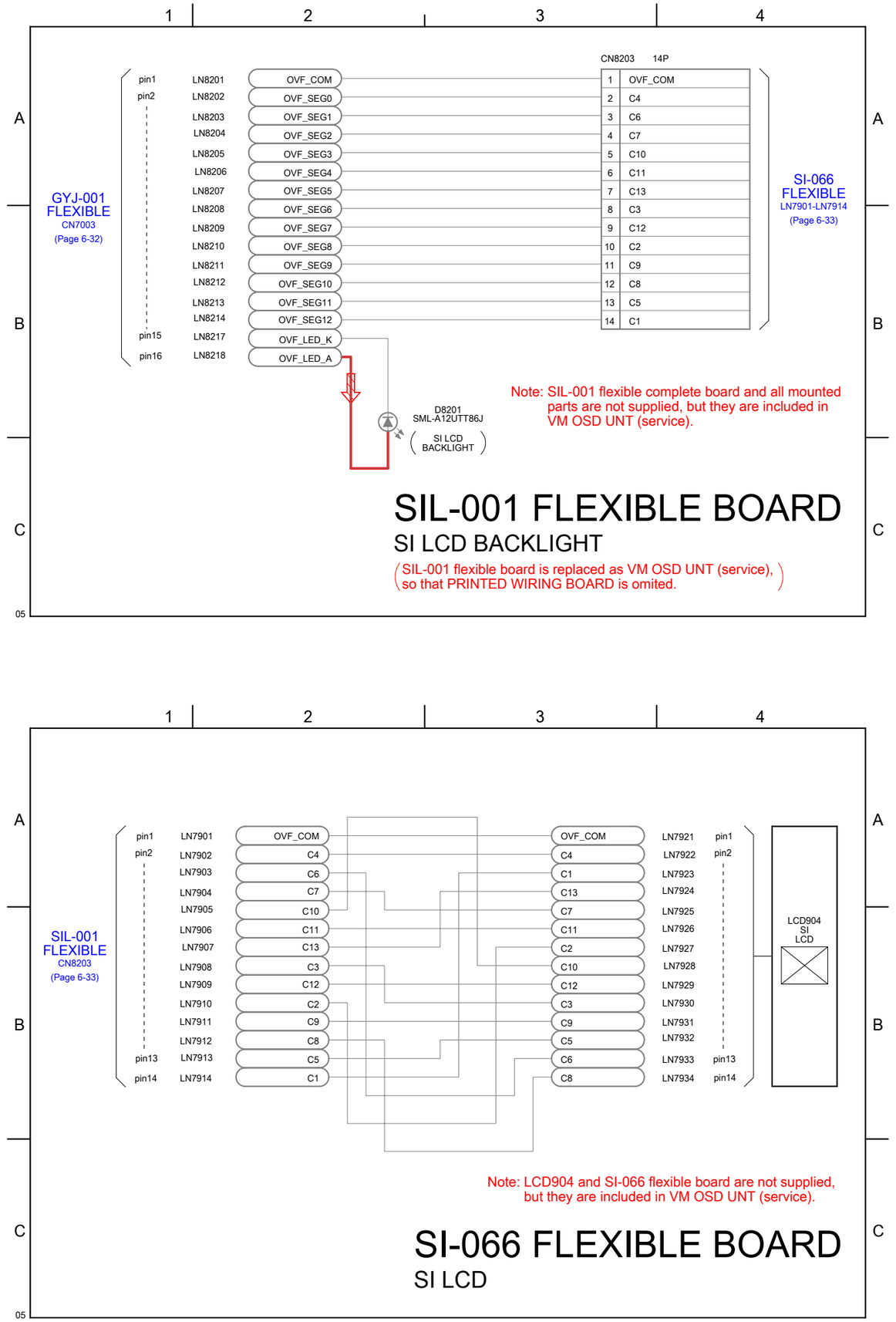
XX MARK:NO MOUNT



Note: BL-034 flexible board is not supplied,
but this is included in MB BL contact holder unit 857.

BL-034 FLEXIBLE BOARD

LENS CONTACTS



Note: SIL-001 flexible complete board and all mounted
parts are not supplied, but they are included in
VM OSD UNT (service).

SIL-001 FLEXIBLE BOARD

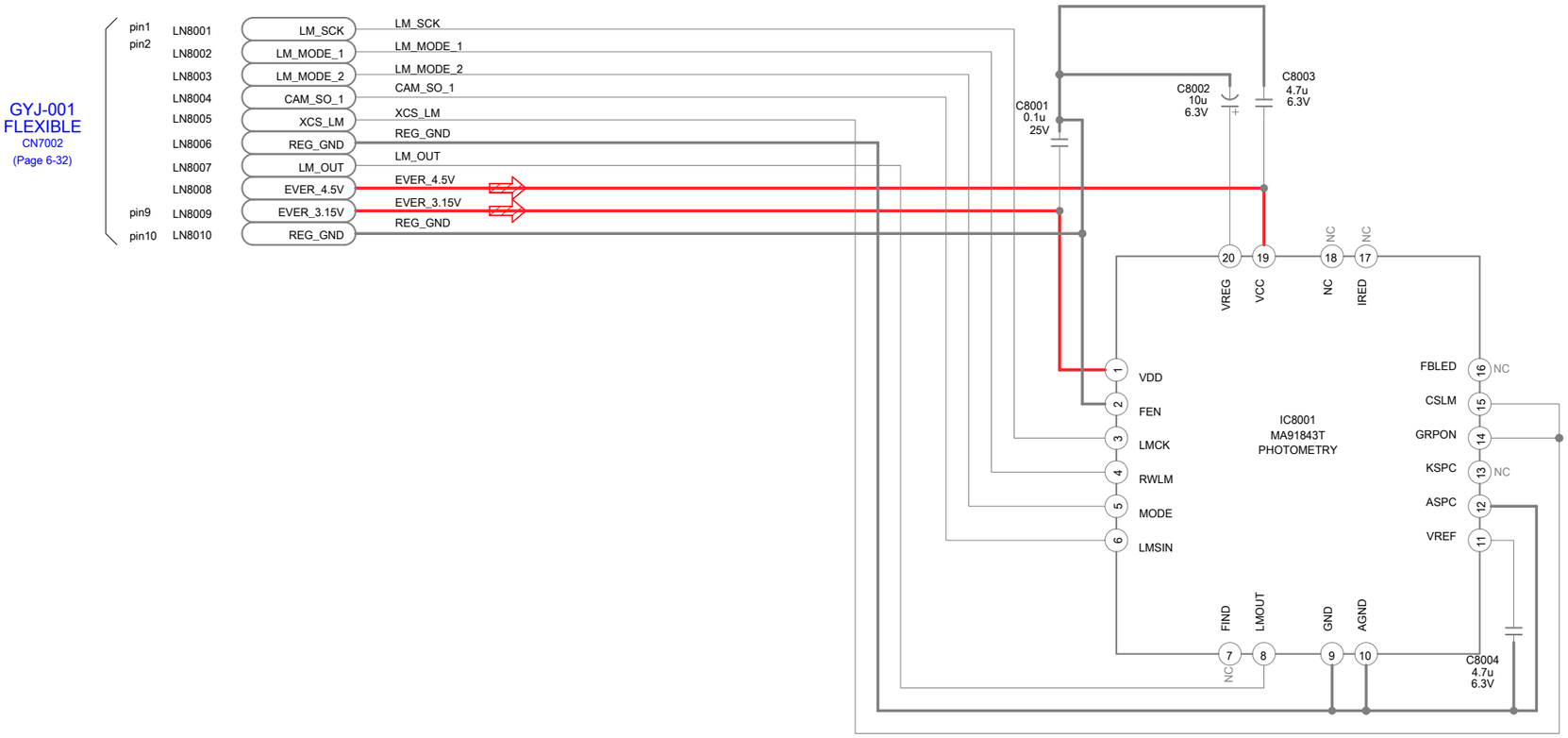
SI LCD BACKLIGHT

(SIL-001 flexible board is replaced as VM OSD UNT (service),
so that PRINTED WIRING BOARD is omited.)

Note: LCD904 and SI-066 flexible board are not supplied,
but they are included in VM OSD UNT (service).

SI-066 FLEXIBLE BOARD

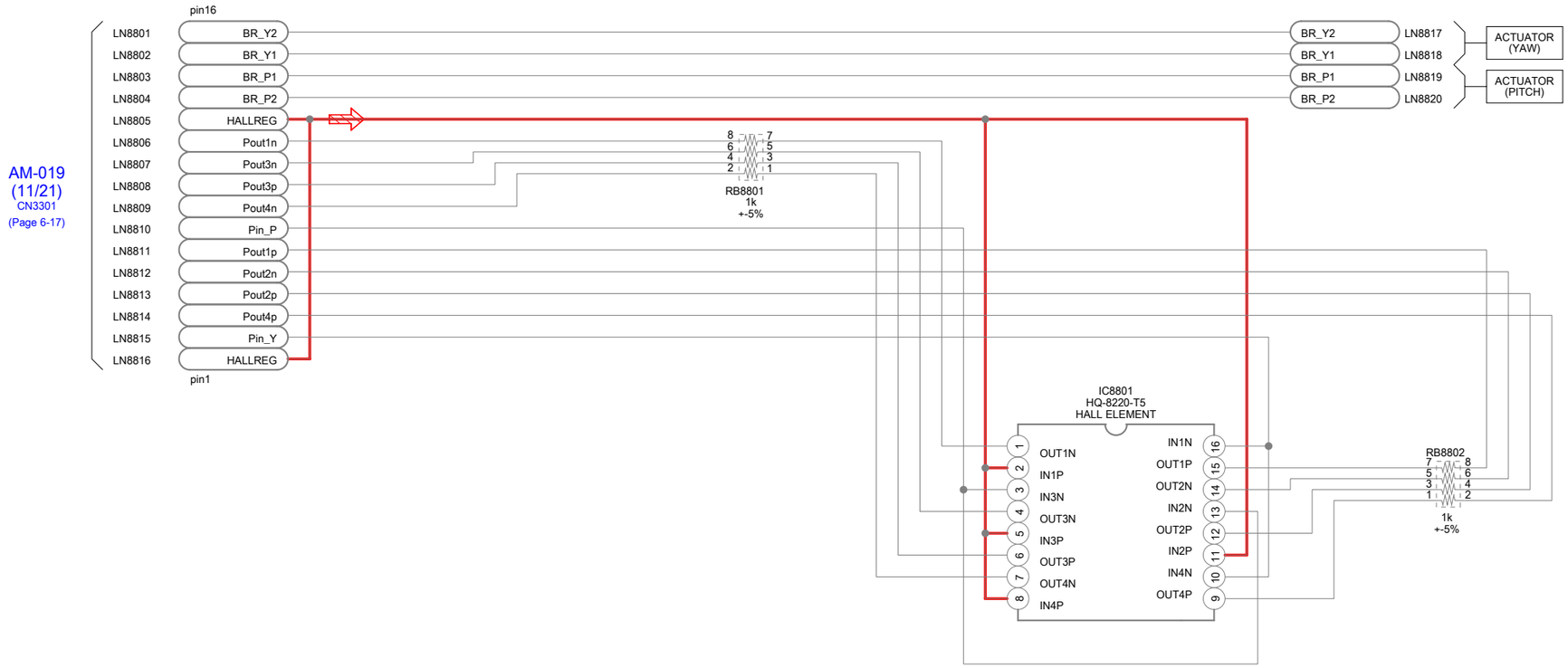
SI LCD



Note: AE-036 flexible complete board and all mounted parts are not supplied, but they are included in VM PENTA unit 857S.

AE-036 FLEXIBLE BOARD

PHOTOMETRY

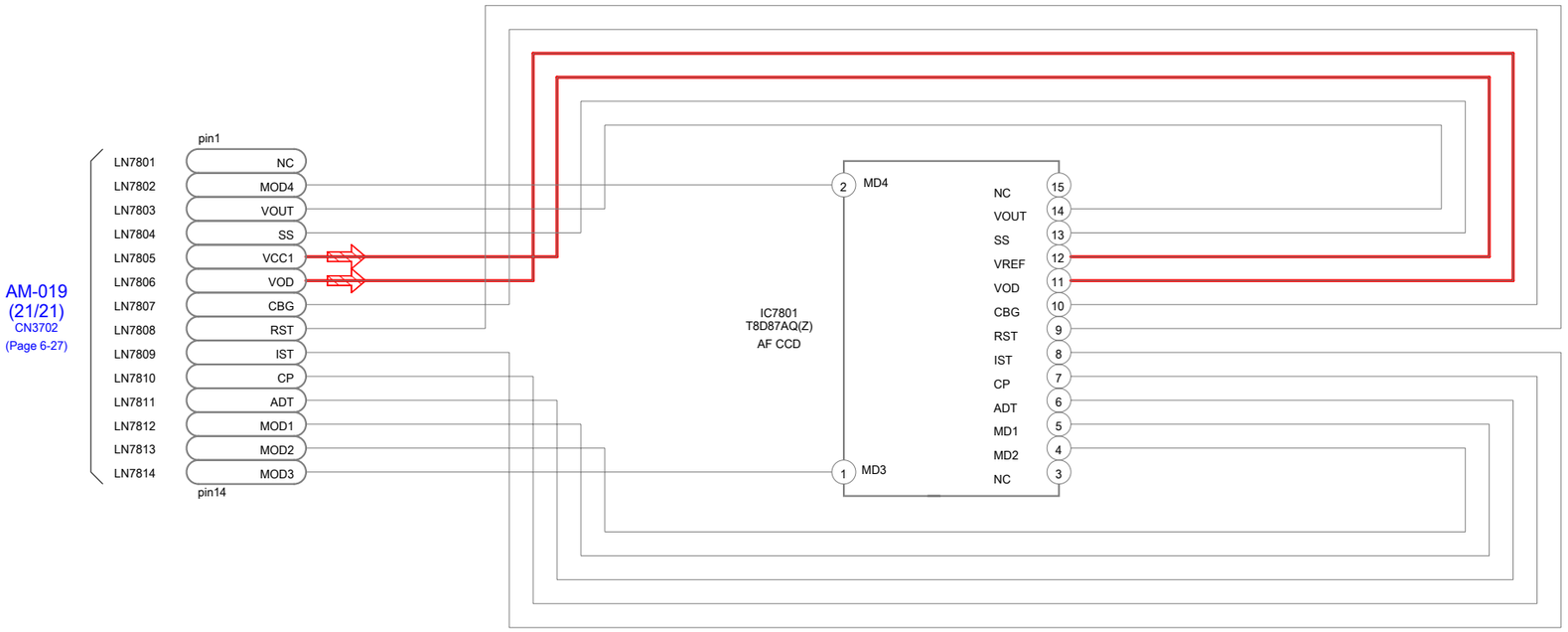


AM-019
(11/21)
CN3301
(Page 6-17)

Note: HOL-006 flexible complete board and all mounted parts are not supplied,
but they are included in slider unit (857 service).

HOL-006 FLEXIBLE BOARD

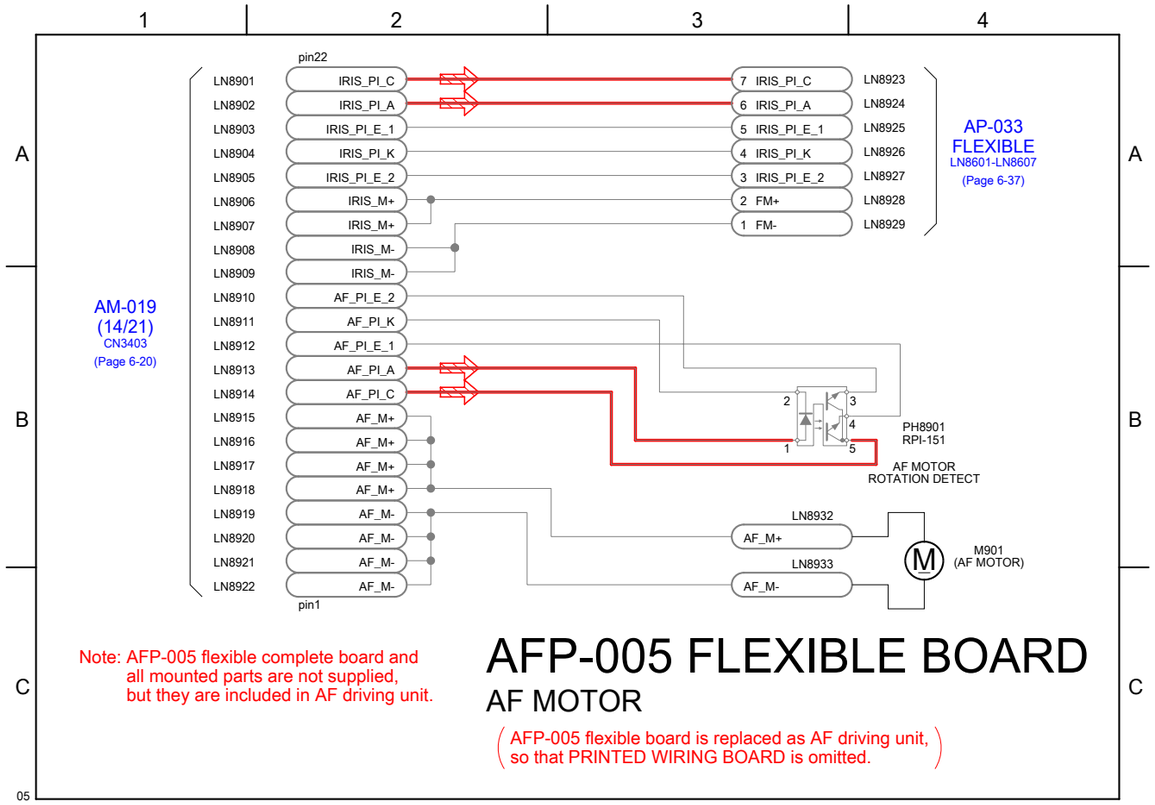
HALL ELEMENT, ACTUATOR



Note: AF-119 flexible complete board and IC7801 are not supplied,
but they are included in ALX-8520 (AF module).

AF-119 FLEXIBLE BOARD

AF CCD

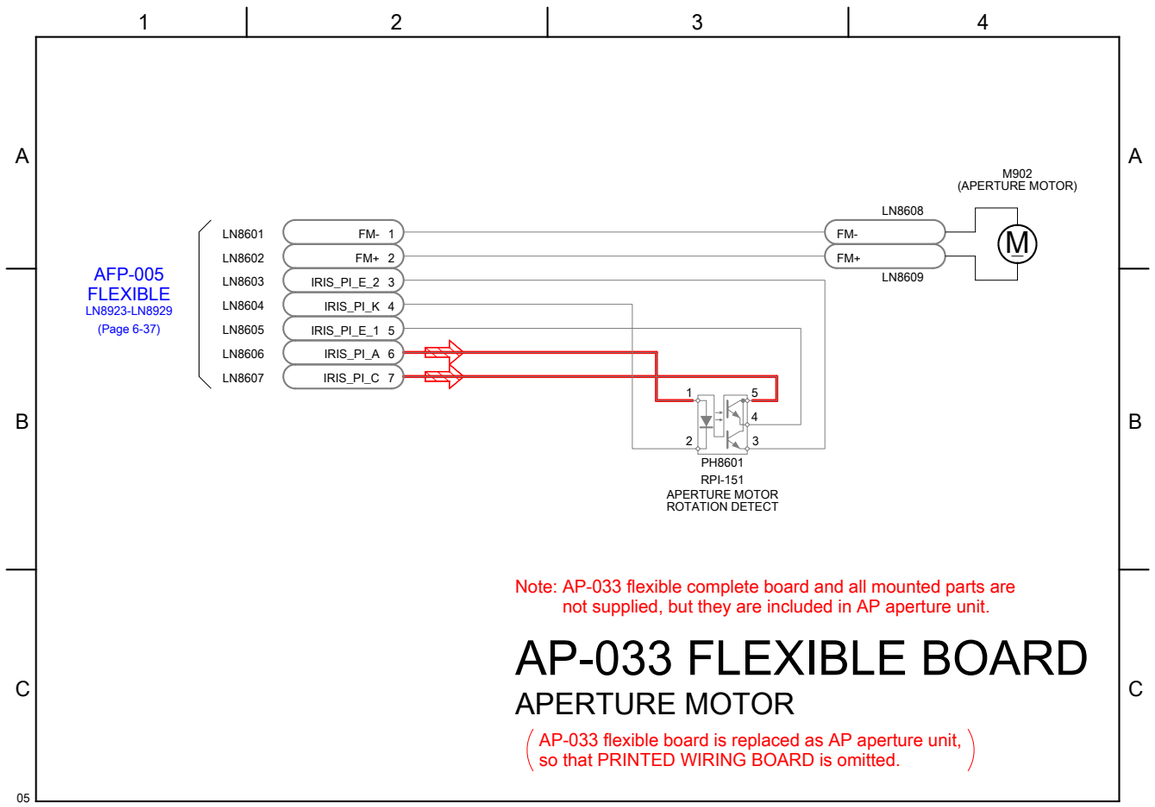


Note: AFP-005 flexible complete board and all mounted parts are not supplied, but they are included in AF driving unit.

AFP-005 FLEXIBLE BOARD

AF MOTOR

(AFP-005 flexible board is replaced as AF driving unit, so that PRINTED WIRING BOARD is omitted.)

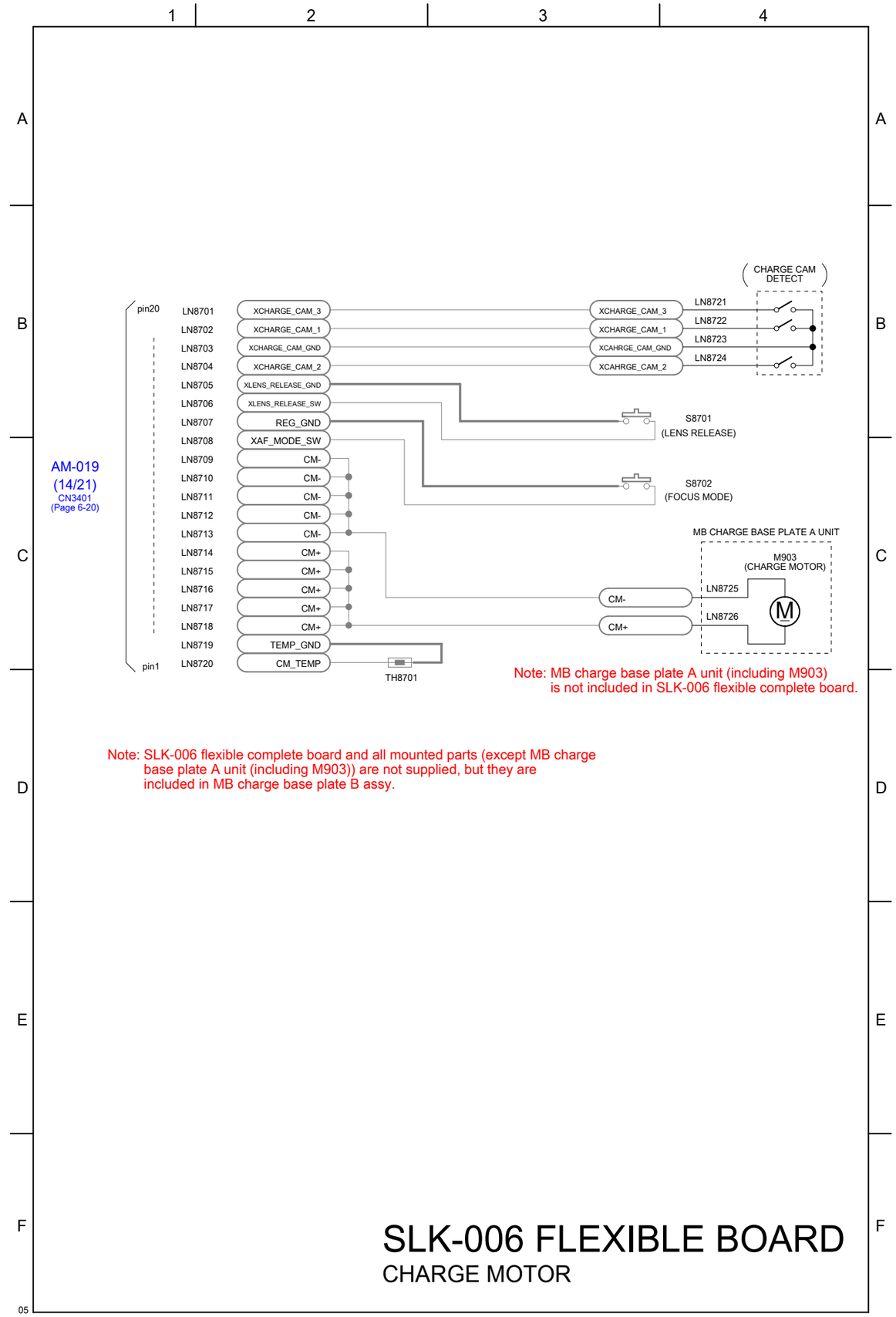


Note: AP-033 flexible complete board and all mounted parts are not supplied, but they are included in AP aperture unit.

AP-033 FLEXIBLE BOARD

APERTURE MOTOR

(AP-033 flexible board is replaced as AP aperture unit, so that PRINTED WIRING BOARD is omitted.)

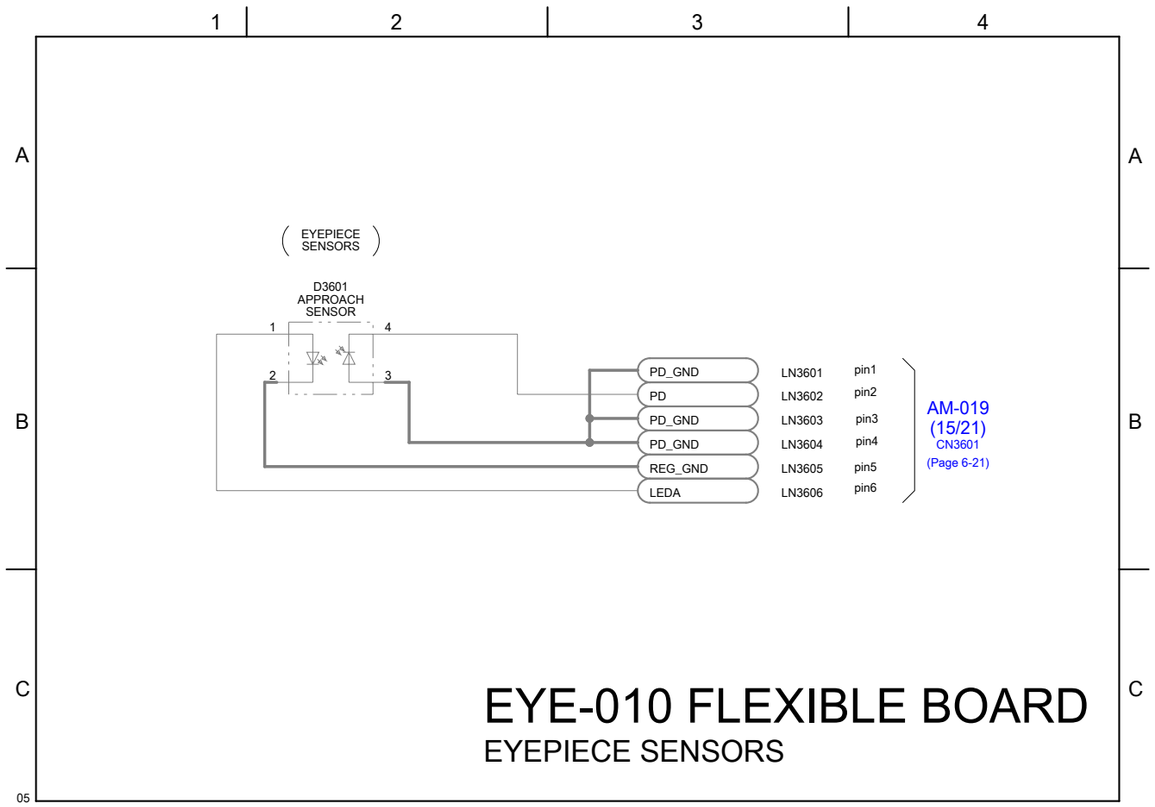


Note: MB charge base plate A unit (including M903) is not included in SLK-006 flexible complete board.

Note: SLK-006 flexible complete board and all mounted parts (except MB charge base plate A unit (including M903)) are not supplied, but they are included in MB charge base plate B assy.

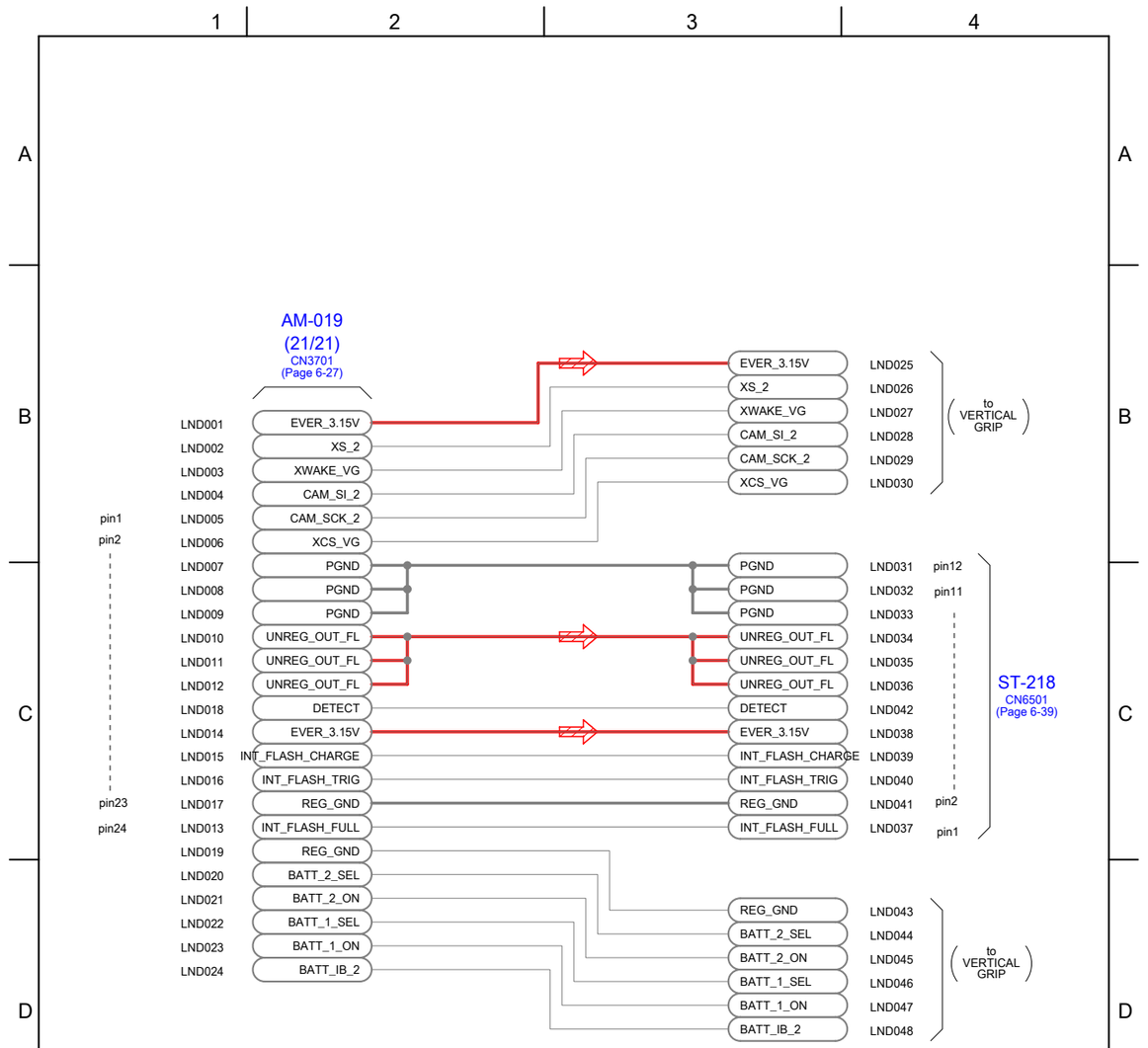
SLK-006 FLEXIBLE BOARD

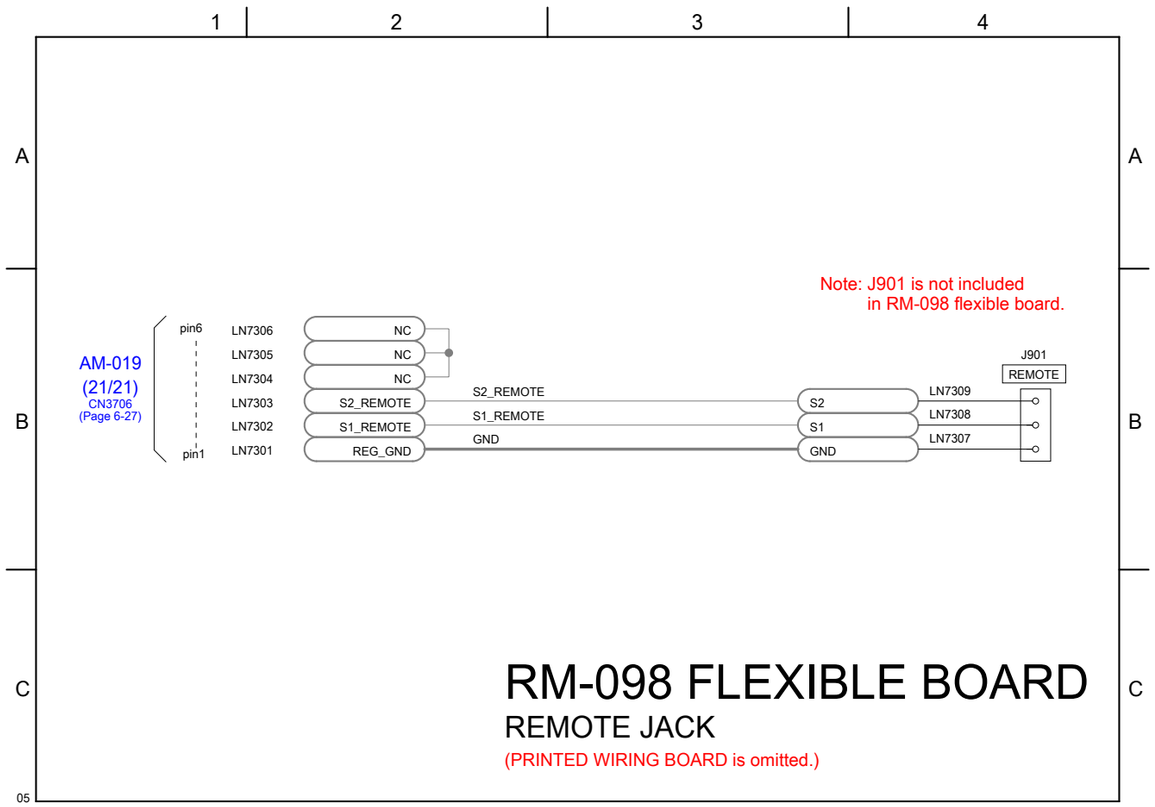
CHARGE MOTOR



EYE-010 FLEXIBLE BOARD

EYEPIECE SENSORS





RM-098 FLEXIBLE BOARD

REMOTE JACK

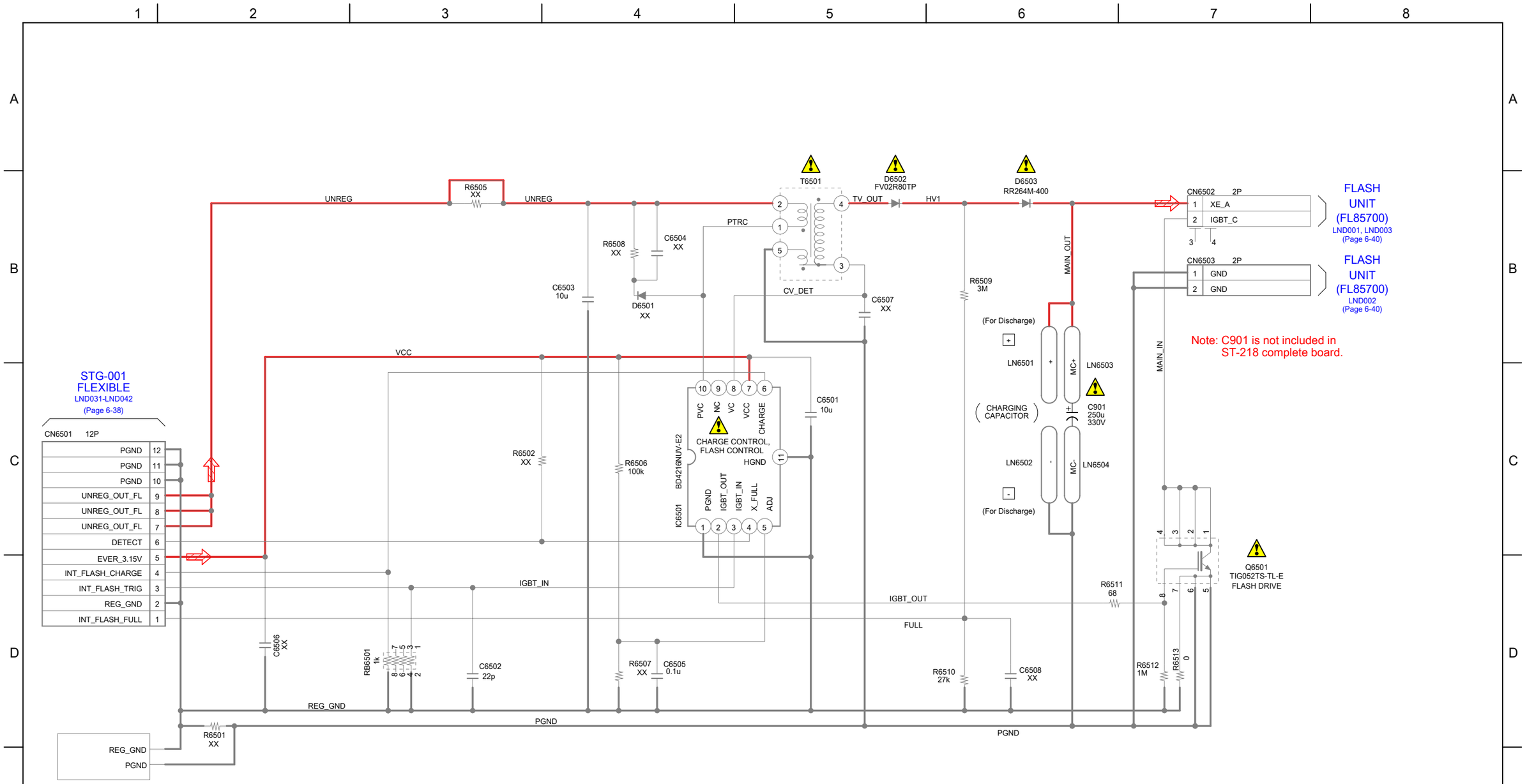
(PRINTED WIRING BOARD is omitted.)

STG-001 FLEXIBLE BOARD

VERTCIAL GRIP TERMINAL

(PRINTED WIRING BOARD is omitted.)

• Refer to page 6-1 for mark ⚠.

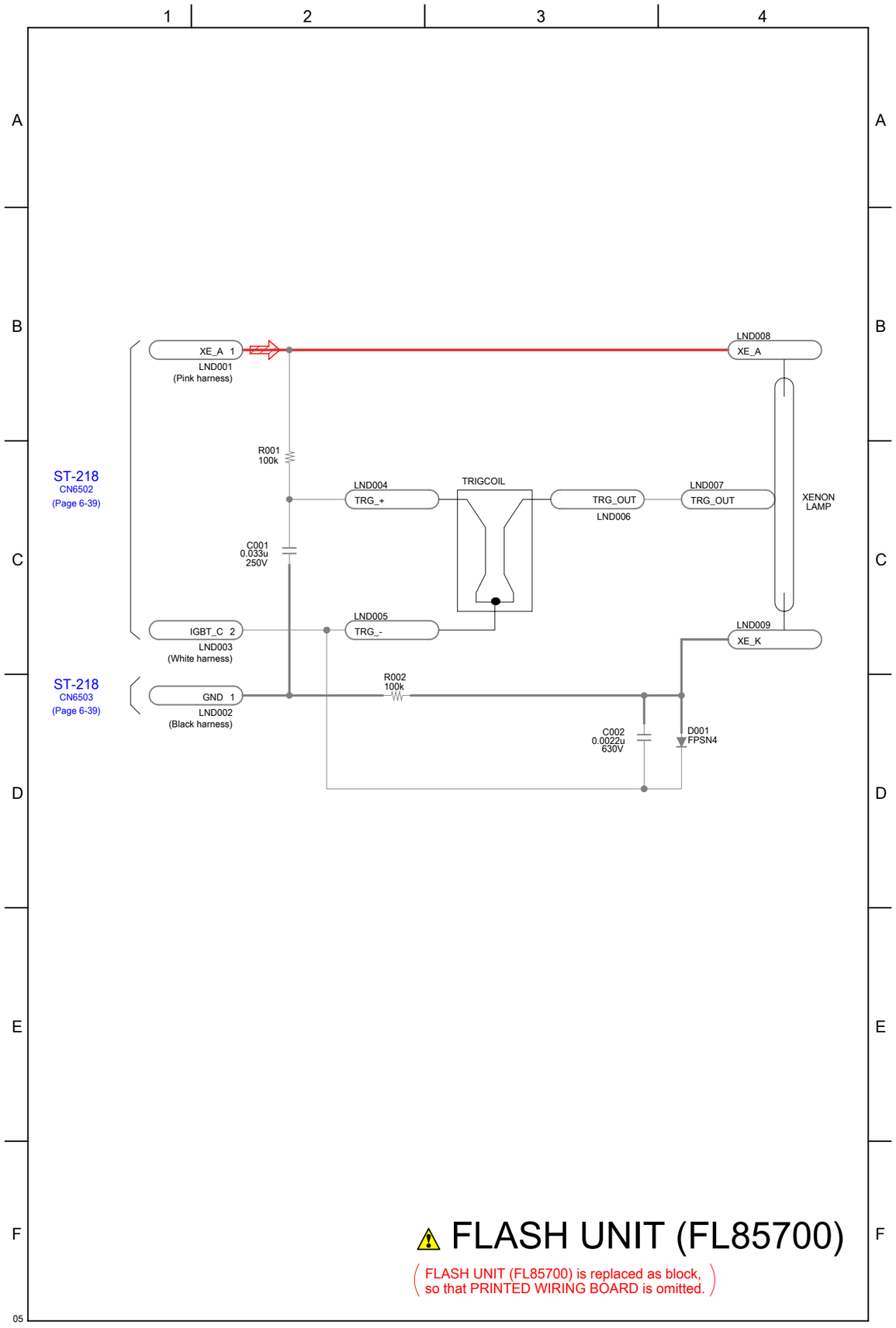


ST-218 BOARD

FLASH DRIVE

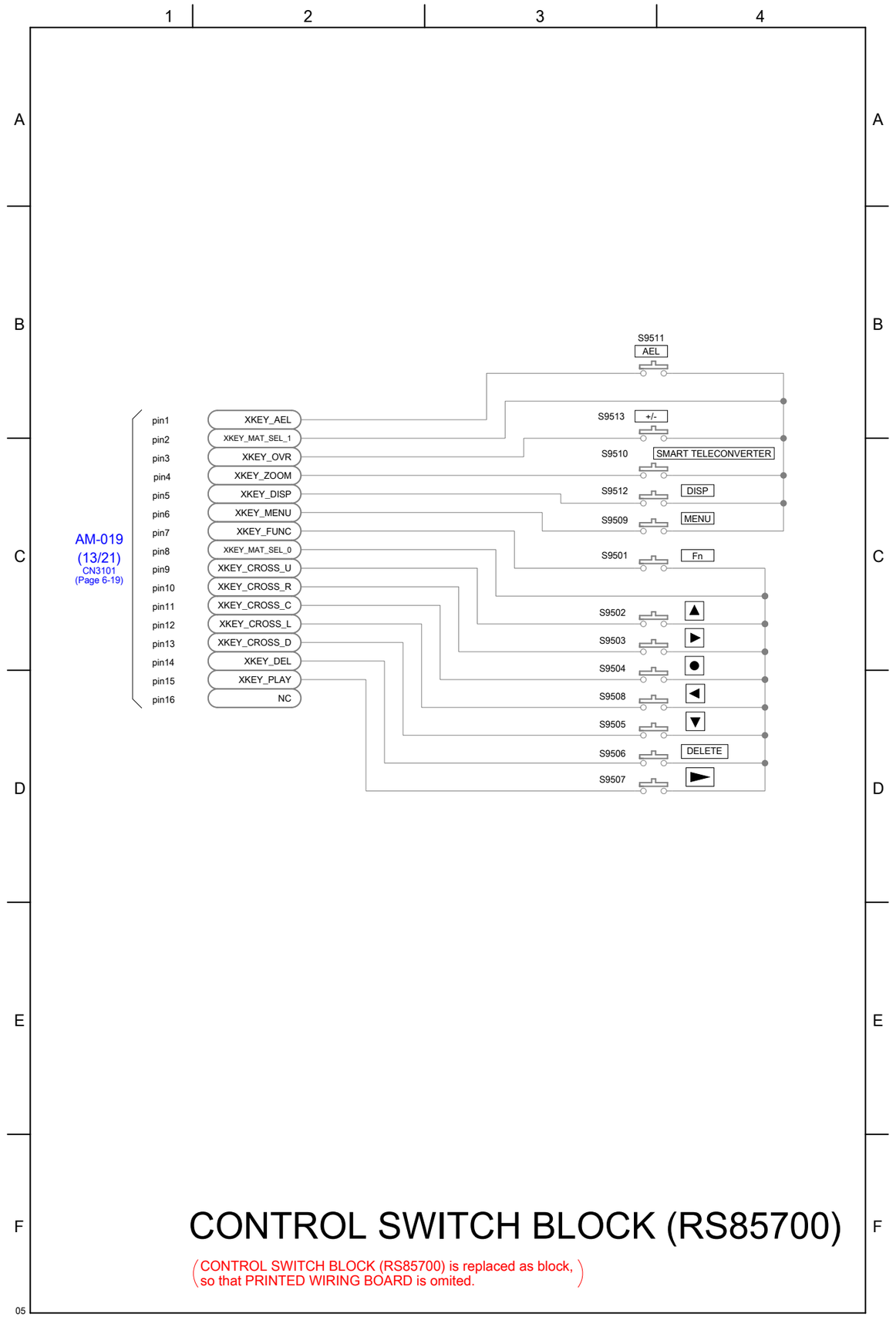
XX MARK:NO MOUNT

• Refer to page 6-1 for mark ⚠.



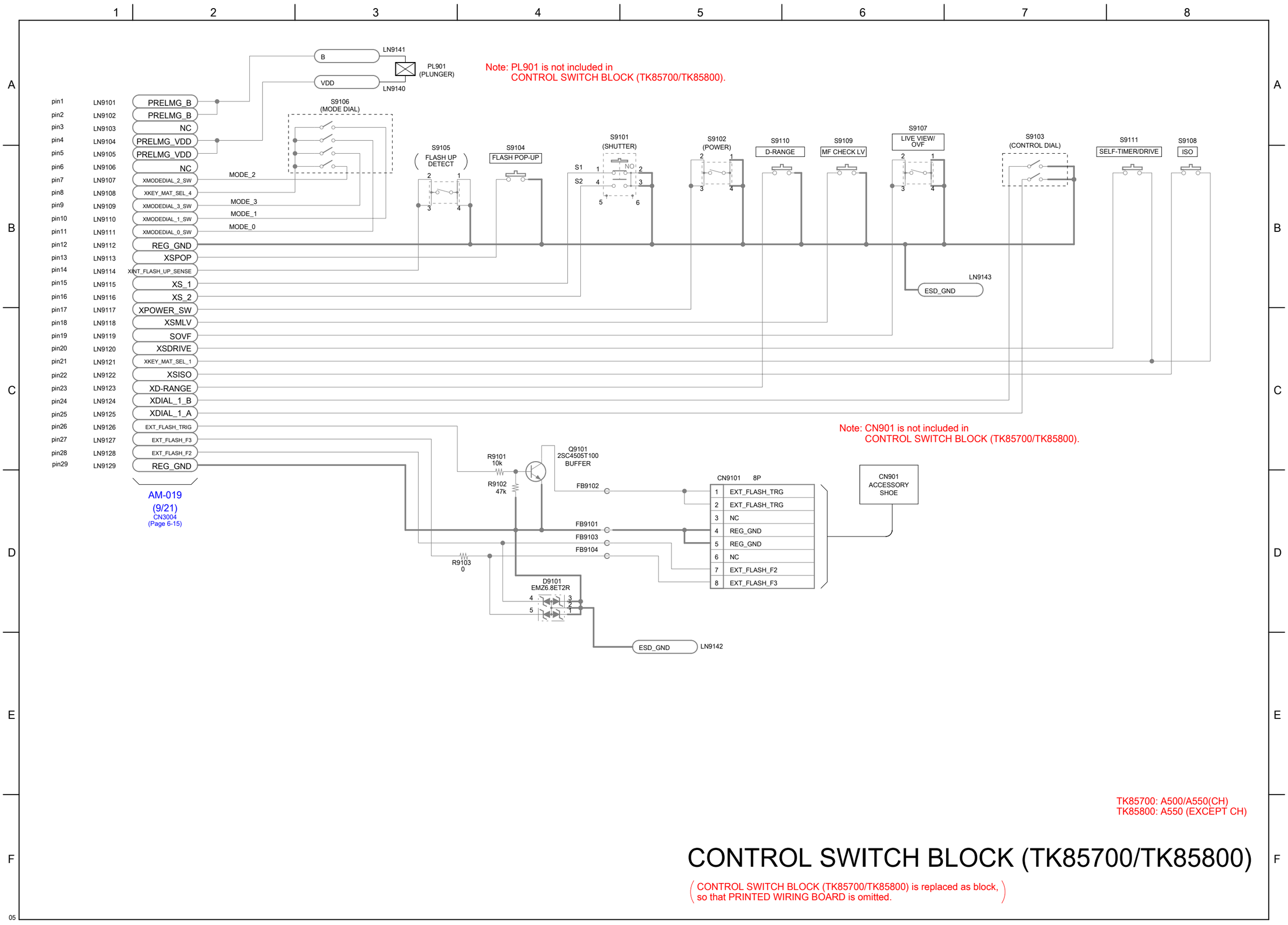
⚠ FLASH UNIT (FL85700)

(FLASH UNIT (FL85700) is replaced as block,
so that PRINTED WIRING BOARD is omitted.)



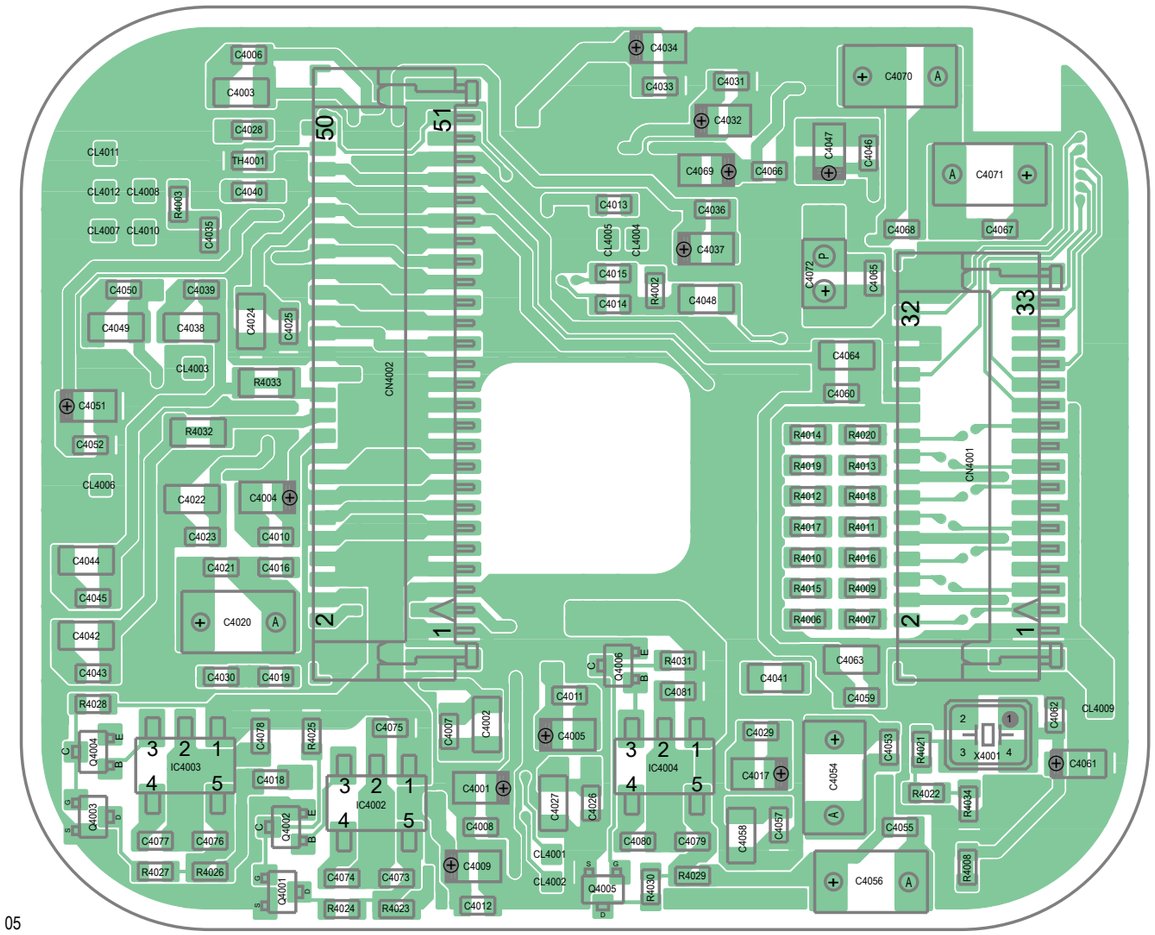
CONTROL SWITCH BLOCK (RS85700)

(CONTROL SWITCH BLOCK (RS85700) is replaced as block,
so that PRINTED WIRING BOARD is omited.)


1
2
3
4
5
6
7
8
A
B
C
D
E
F
B
VDD
LN9141
LN9140
PL901
(PLUNGER)
Note: PL901 is not included in
CONTROL SWITCH BLOCK (TK85700/TK85800).
pin1 LN9101 PRELMG_B
pin2 LN9102 PRELMG_B
pin3 LN9103 NC
pin4 LN9104 PRELMG_VDD
pin5 LN9105 PRELMG_VDD
pin6 LN9106 NC
pin7 LN9107 XMODEDIAL_2_SW
pin8 LN9108 XKEY_MAT_SEL_4
pin9 LN9109 XMODEDIAL_3_SW
pin10 LN9110 XMODEDIAL_1_SW
pin11 LN9111 XMODEDIAL_0_SW
pin12 LN9112 REG_GND
pin13 LN9113 XSPOP
pin14 LN9114 XINT_FLASH_UP_SENSE
pin15 LN9115 XS_1
pin16 LN9116 XS_2
pin17 LN9117 XPOWER_SW
pin18 LN9118 XSMLV
pin19 LN9119 SOVF
pin20 LN9120 XSDRIVE
pin21 LN9121 XKEY_MAT_SEL_1
pin22 LN9122 XSISO
pin23 LN9123 XD-RANGE
pin24 LN9124 XDIAL_1_B
pin25 LN9125 XDIAL_1_A
pin26 LN9126 EXT_FLASH_TRIG
pin27 LN9127 EXT_FLASH_F3
pin28 LN9128 EXT_FLASH_F2
pin29 LN9129 REG_GND
AM-019
(9/21)
CN3004
(Page 6-15)
MODE_2
MODE_3
MODE_1
MODE_0
S9106
(MODE DIAL)
S9105
FLASH UP
DETECT
S9104
FLASH POP-UP
S9101
(SHUTTER)
S1
S2
NO
S9102
(POWER)
S9110
D-RANGE
S9109
MF CHECK LV
S9107
LIVE VIEW/
OVF
S9103
(CONTROL DIAL)
S9111
SELF-TIMER/DRIVE
S9108
ISO
LN9143
ESD_GND
Note: CN901 is not included in
CONTROL SWITCH BLOCK (TK85700/TK85800).
R9101
10k
R9102
47k
Q9101
2SC4505T100
BUFFER
FB9102
FB9101
FB9103
FB9104
R9103
0
D9101
EMZ6.8ET2R
ESD_GND
LN9142
CN9101 8P
1 EXT_FLASH_TRG
2 EXT_FLASH_TRG
3 NC
4 REG_GND
5 REG_GND
6 NC
7 EXT_FLASH_F2
8 EXT_FLASH_F3
CN901
ACCESSORY
SHOE
TK85700: A500/A550(CH)
TK85800: A550 (EXCEPT CH)
CONTROL SWITCH BLOCK (TK85700/TK85800)
CONTROL SWITCH BLOCK (TK85700/TK85800) is replaced as block,
so that PRINTED WIRING BOARD is omitted.
05

IS-071 (6 layers) : Uses unleaded solder.

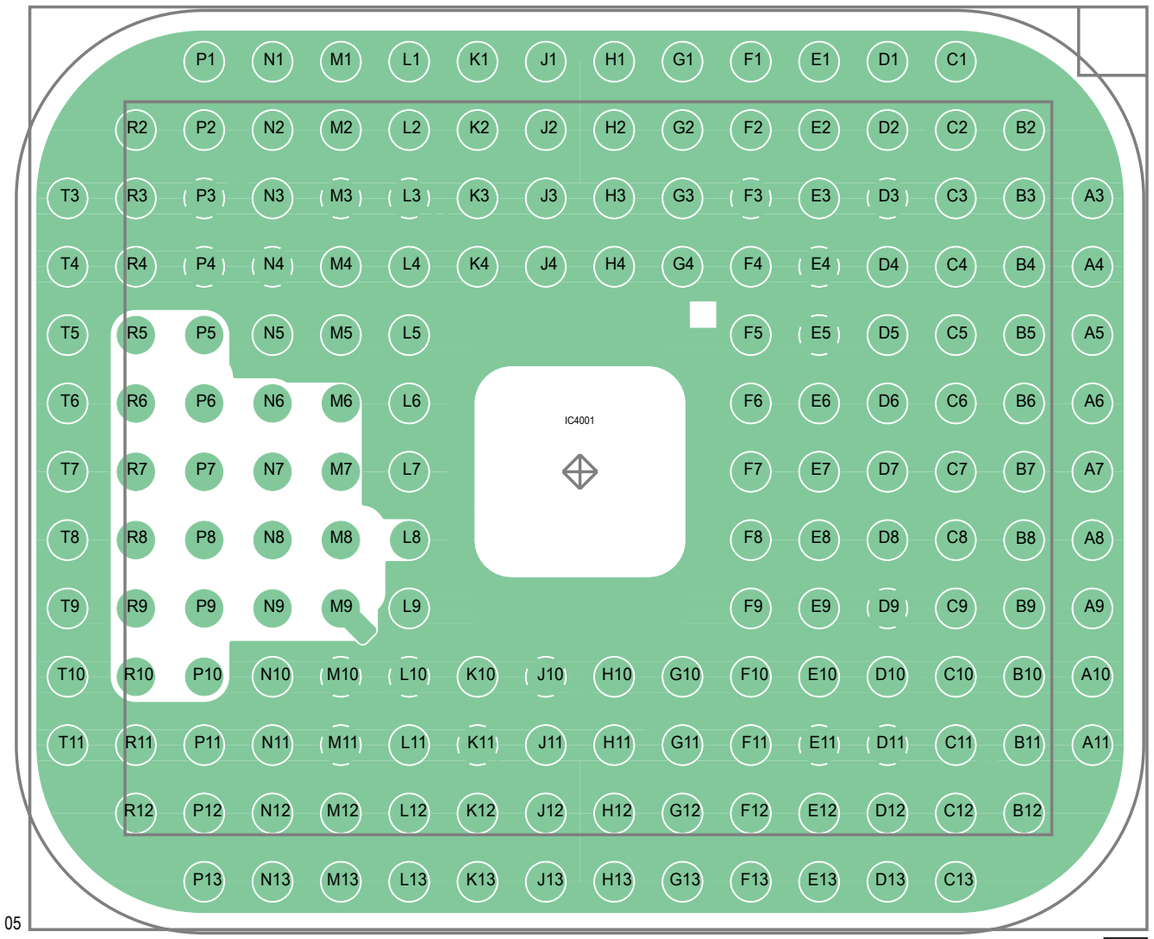
IS-071 BOARD (SIDE A) (A500)



05

1-880-853- 11

IS-071 BOARD (SIDE B) (A500)

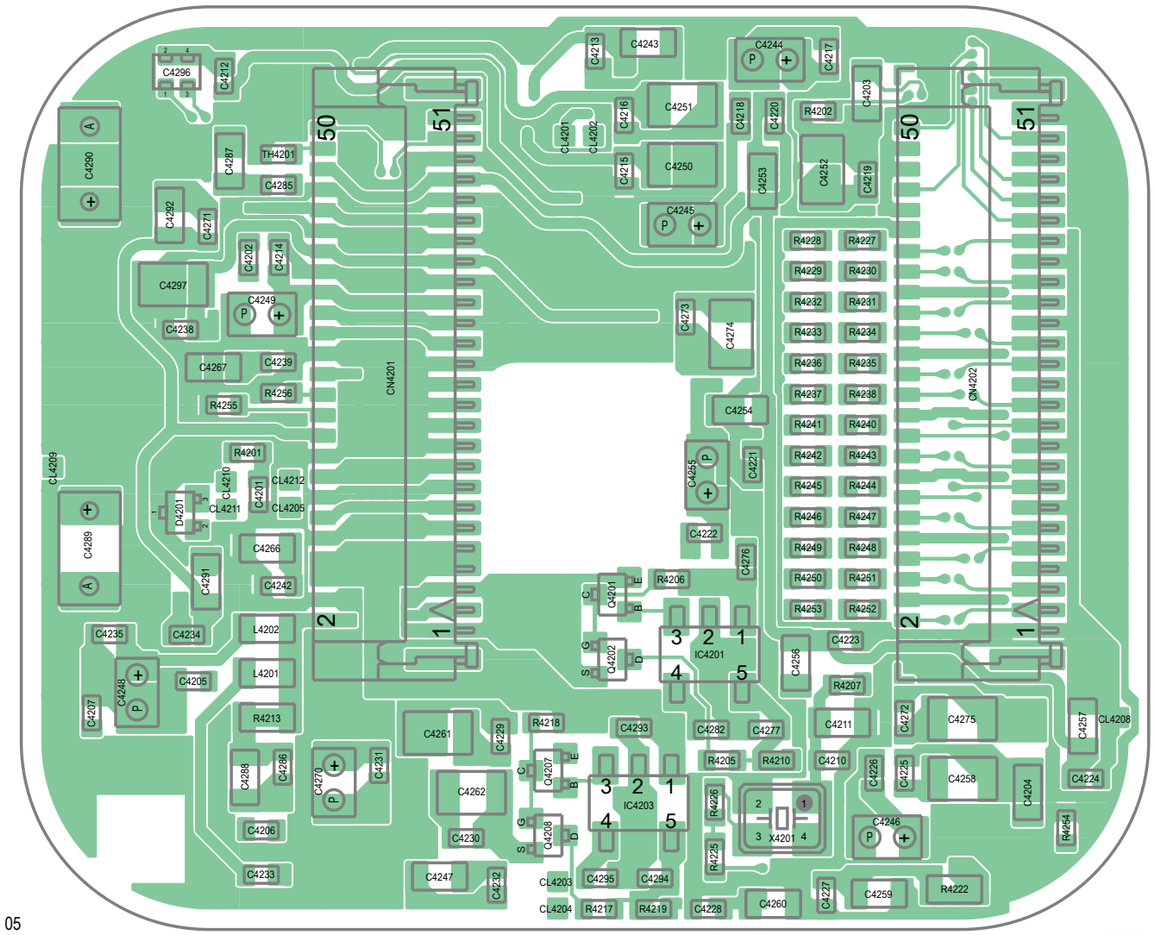


05

Note: IS-071 complete board and all mounted parts (including IC4001 (CMOS imager)) are not supplied, but they are included in ASM unit (857).

1-880-853- 11

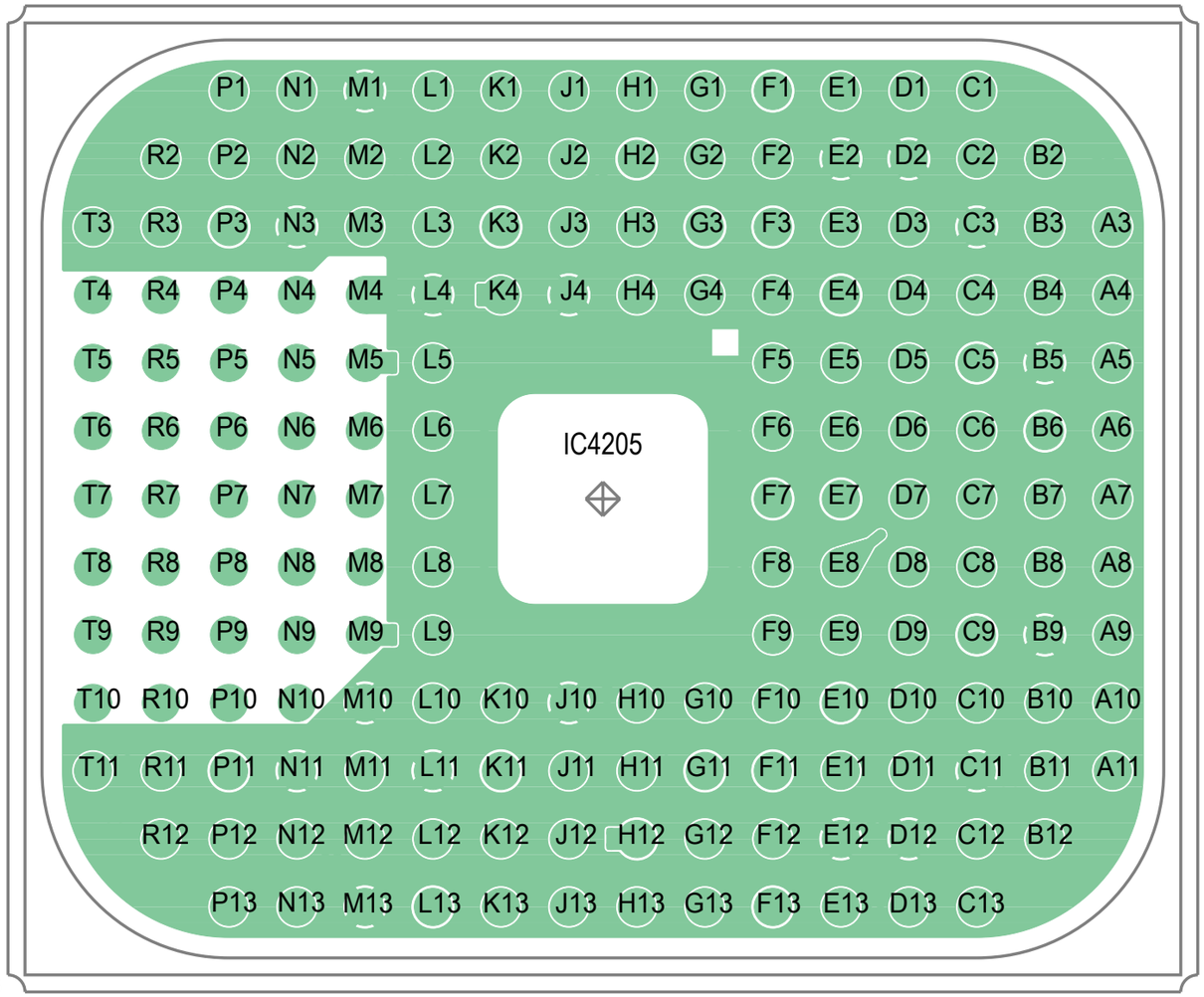
IS-060 BOARD (SIDE A) (A550)



05

1-880-449- 11

IS-060 BOARD (SIDE B) (A550)



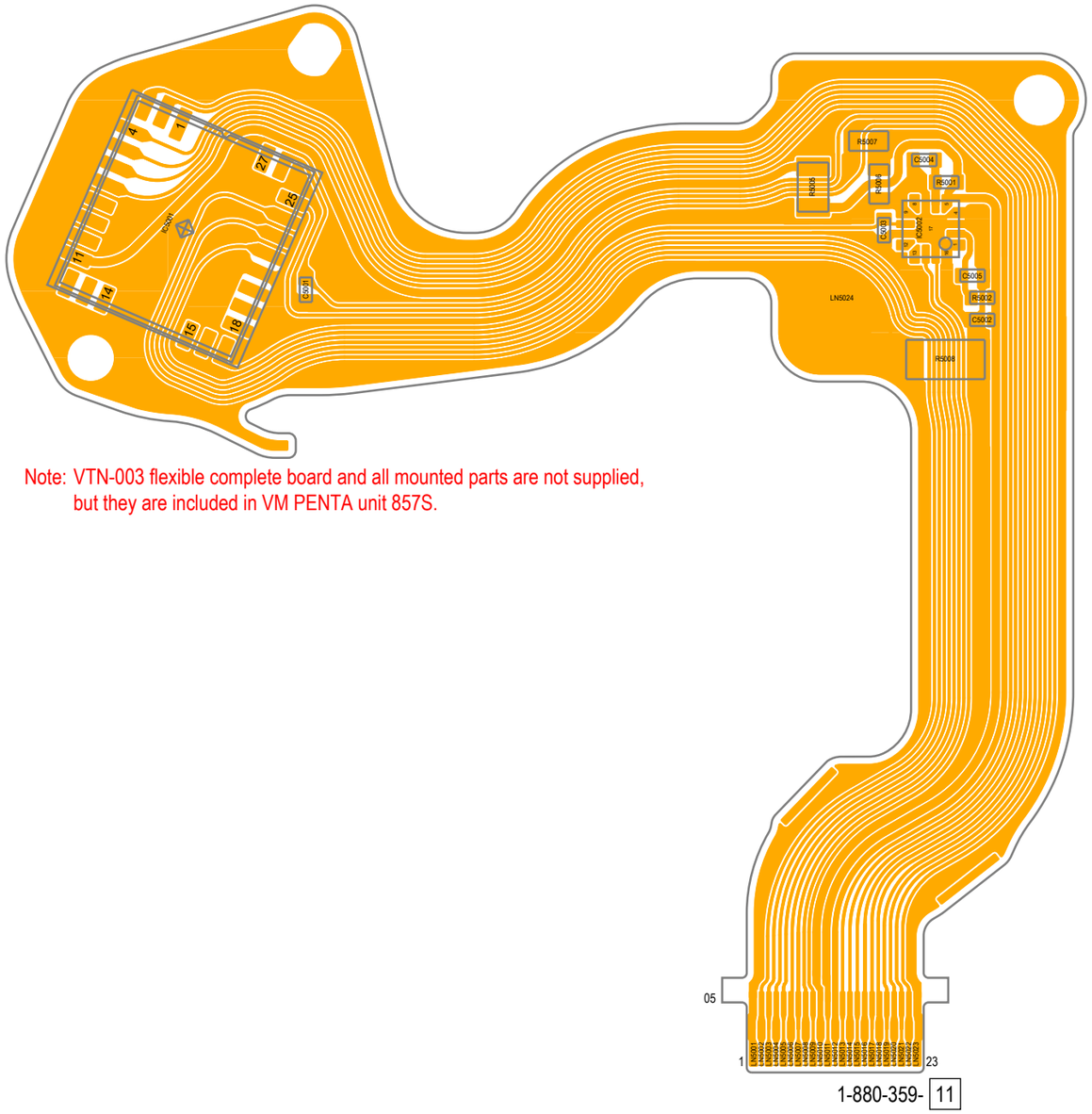
05

Note: IS-060 complete board and all mounted parts (including IC4205 (CMOS imager)) are not supplied, but they are included in OMEGA unit (858).

1-880-449- 11

VTN-003 (1 layer) : Uses unleaded solder.

VTN-003 FLEXIBLE BOARD



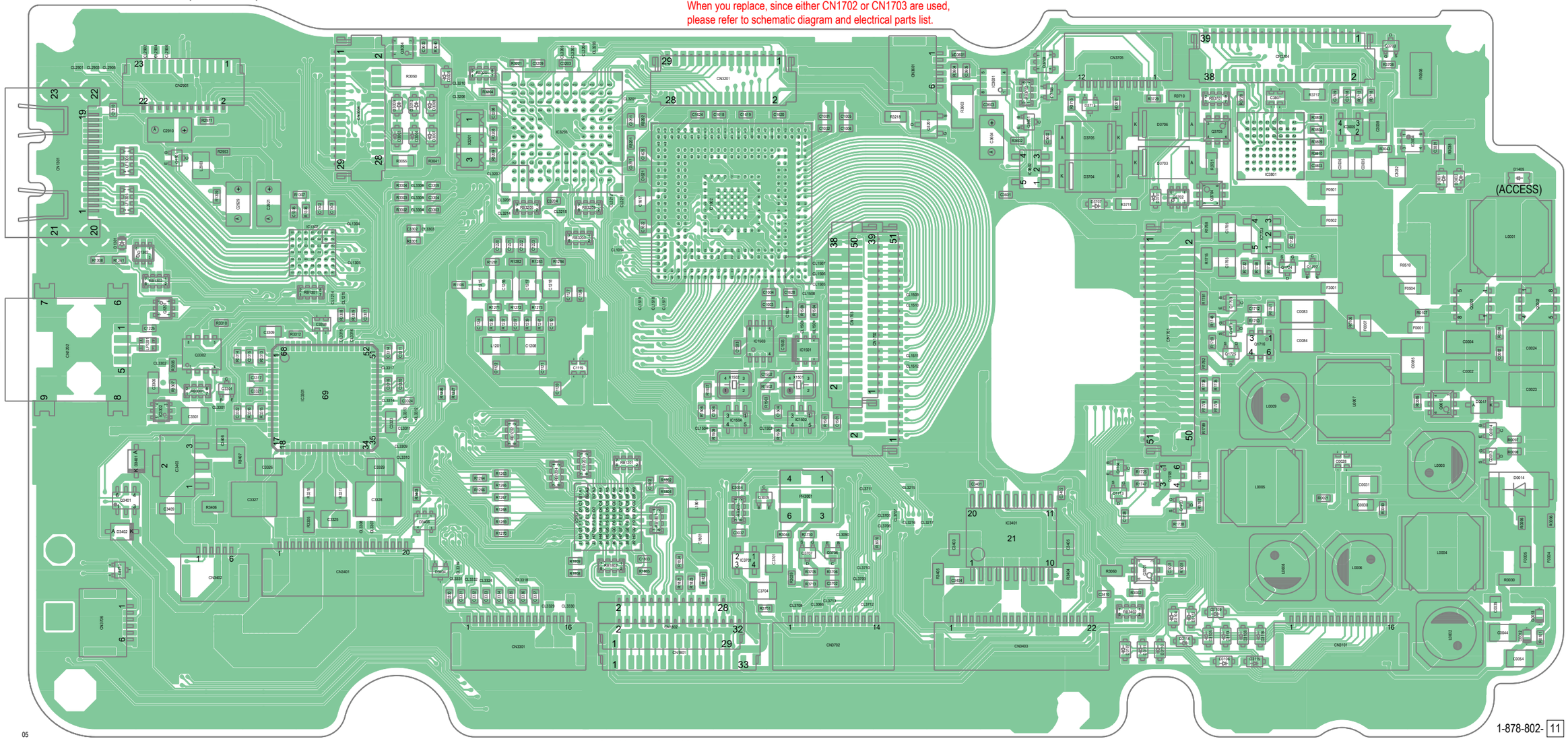
Note: VTN-003 flexible complete board and all mounted parts are not supplied,
but they are included in VM PENTA unit 857S.

1-880-359- 11

AM-019 (8 layers) : Uses unleaded solder.

AM-019 BOARD (SIDE A)

Note: CN1702 and CN1703 have the same mount location.
When you replace, since either CN1702 or CN1703 are used,
please refer to schematic diagram and electrical parts list.



1-878-802- 11

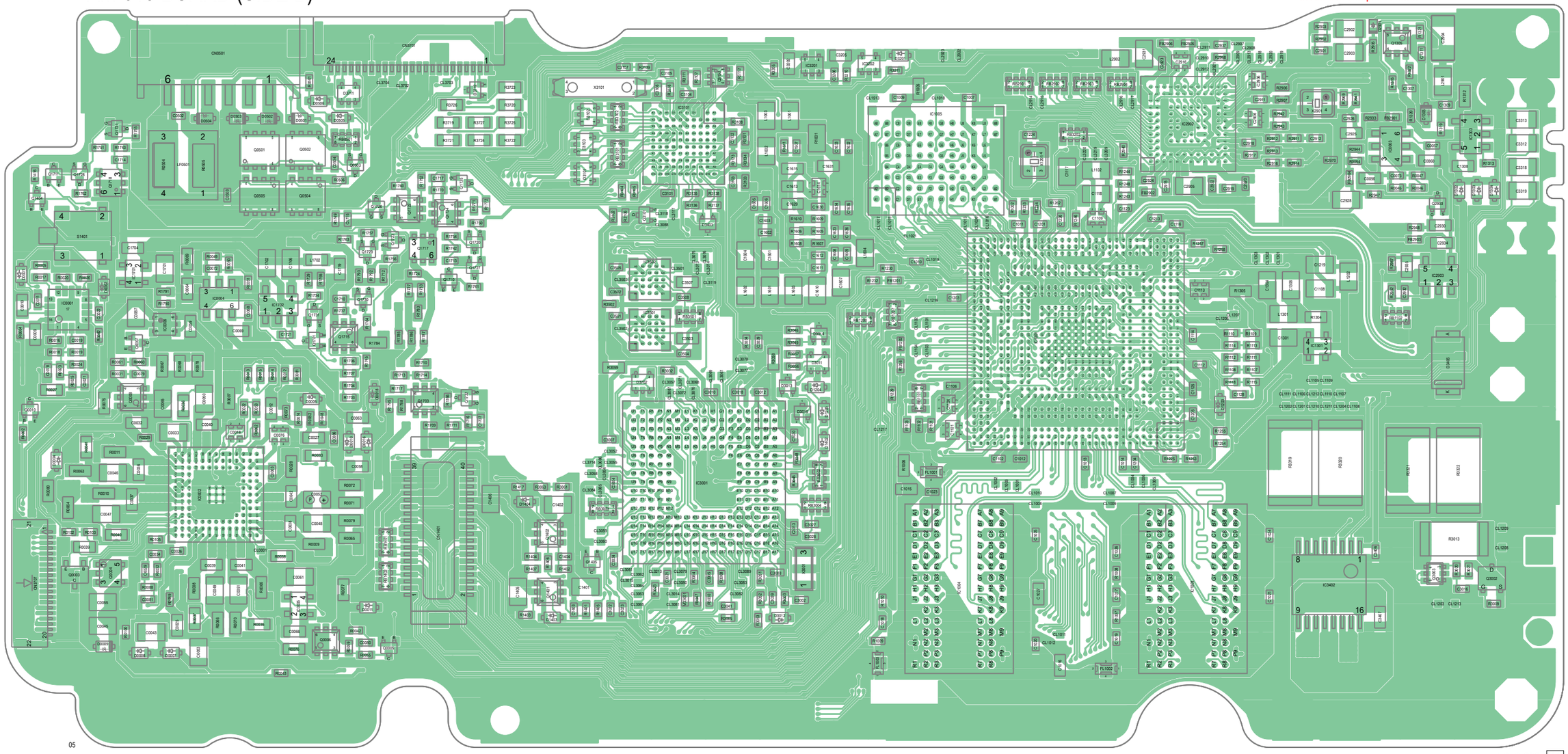
Note: CN1801 and CN1802 have the same mount location.
When you replace, since either CN1801 or CN1802 are used,
please refer to schematic diagram and electrical parts list.

AM-019 (8 layers) : Uses unleaded solder.

AM-019 BOARD (SIDE B)

Note: X2901 is not supplied, but this is included in AM-019 complete board.

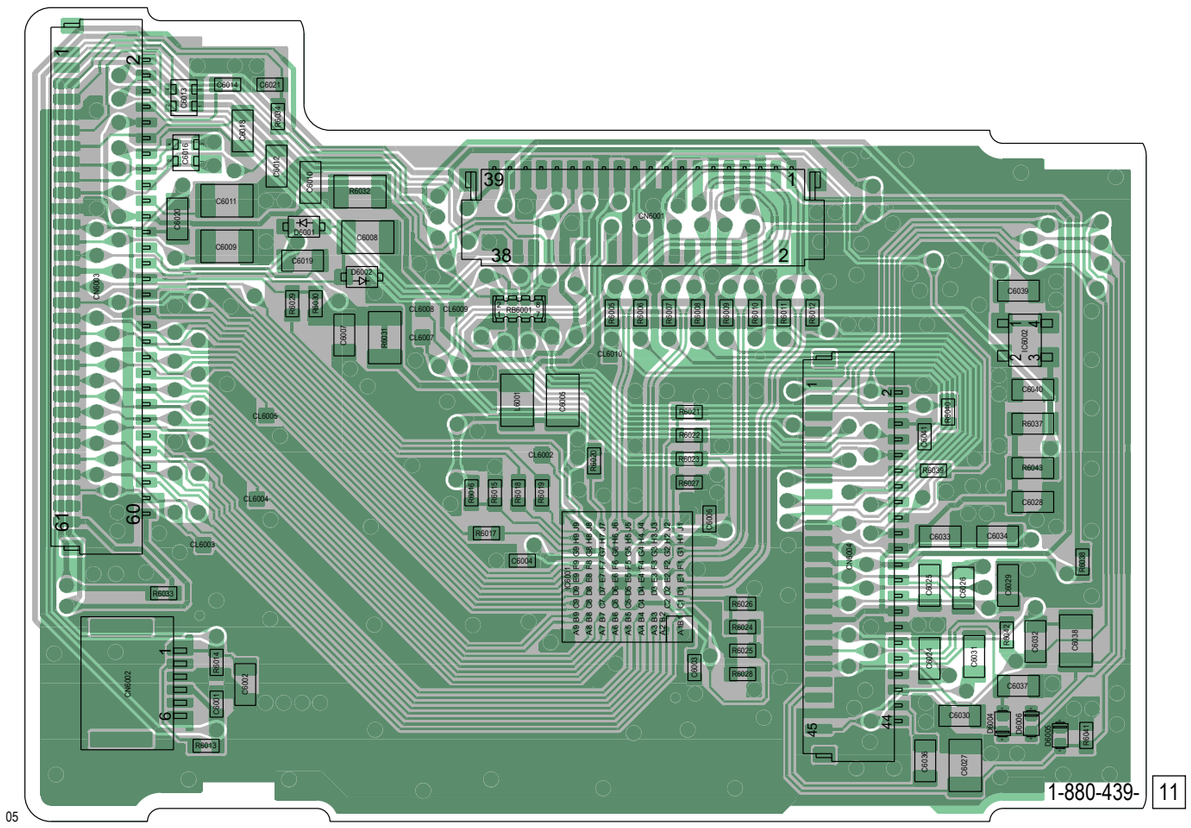
S1401
MEMORY
CARD
SWITCH



1-878-802- 11

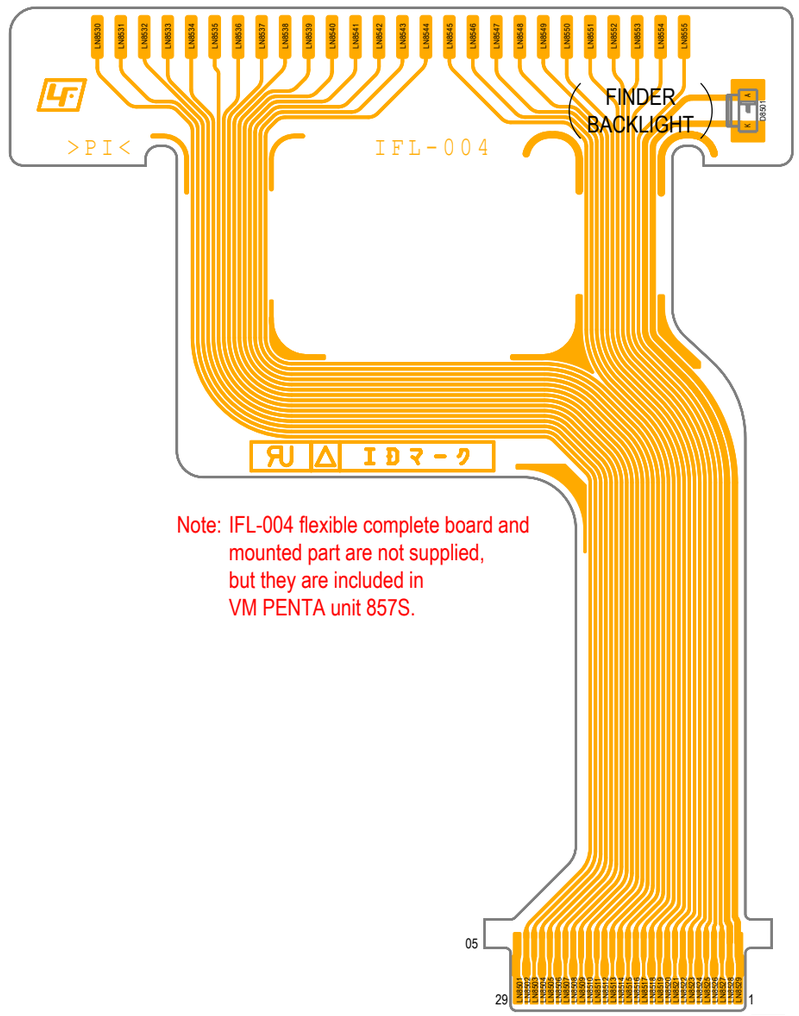
PD-390 (2 layers), SHD-001 (1 layer), IFL-004 (1 layer), SI-066 (2 layers) : Uses unleaded solder.

PD-390 BOARD



1-880-439- 11

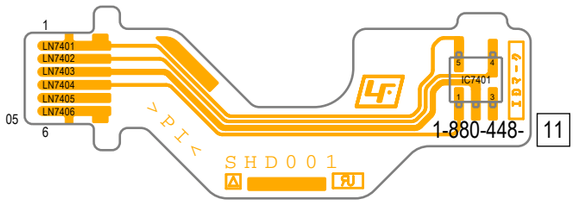
IFL-004 FLEXIBLE BOARD



Note: IFL-004 flexible complete board and mounted part are not supplied, but they are included in VM PENTA unit 857S.

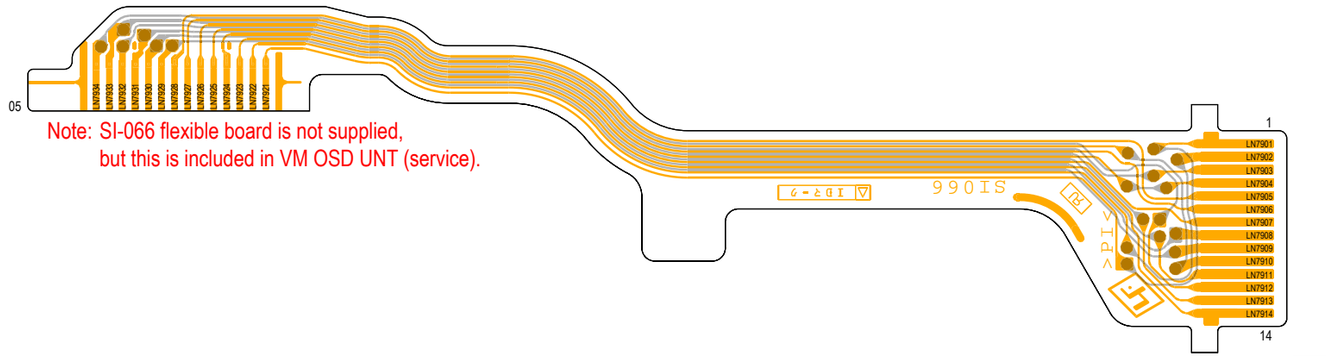
1-877-473- 11

SHD-001 FLEXIBLE BOARD



1-880-448- 11

SI-066 FLEXIBLE BOARD



Note: SI-066 flexible board is not supplied, but this is included in VM OSD UNT (service).

1-880-356- 11

MM-084 (2 layers) : Uses unleaded solder.

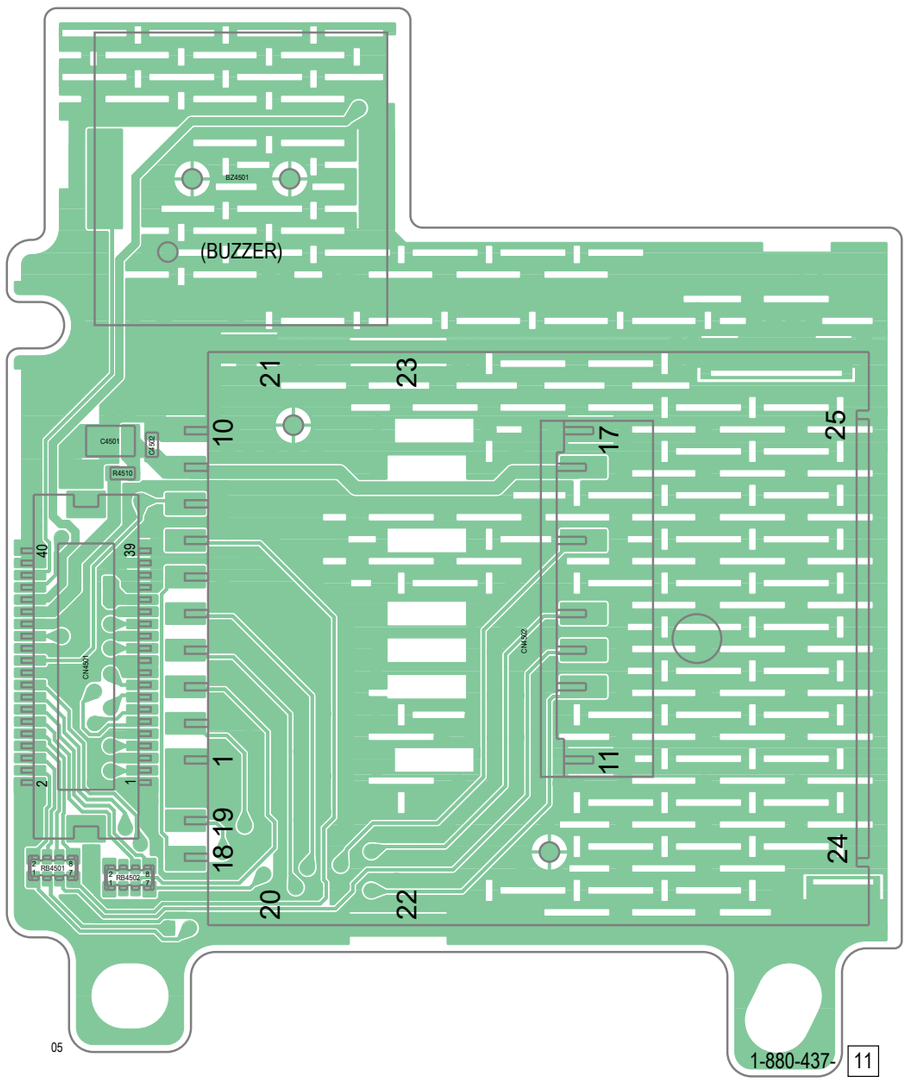
Caution
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.
Dispose of used batteries according to the instructions.

Caution
電池の交換は，正しく行わないと破裂する恐れがあります。
電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。
使用済み電池は，取扱指示に従って処分してください。

Note: Replace the battery holder (BH4501) together when replacing the lithium battery (BT901) on the MM-084 board. (The battery holder removed once cannot be used again.)
When mounting these parts, mount new battery holder first and attach new lithium battery next.

Note: MM-084基板のリチウム電池(BT901)を交換する場合はバッテリホルダ(BH4501)も同時に新品に交換してください。(一度使用したバッテリホルダは再使用できません。)
部品取り付けの際は，先にバッテリホルダを取り付けてからリチウム電池を装着してください。

MM-084 BOARD (SIDE A)



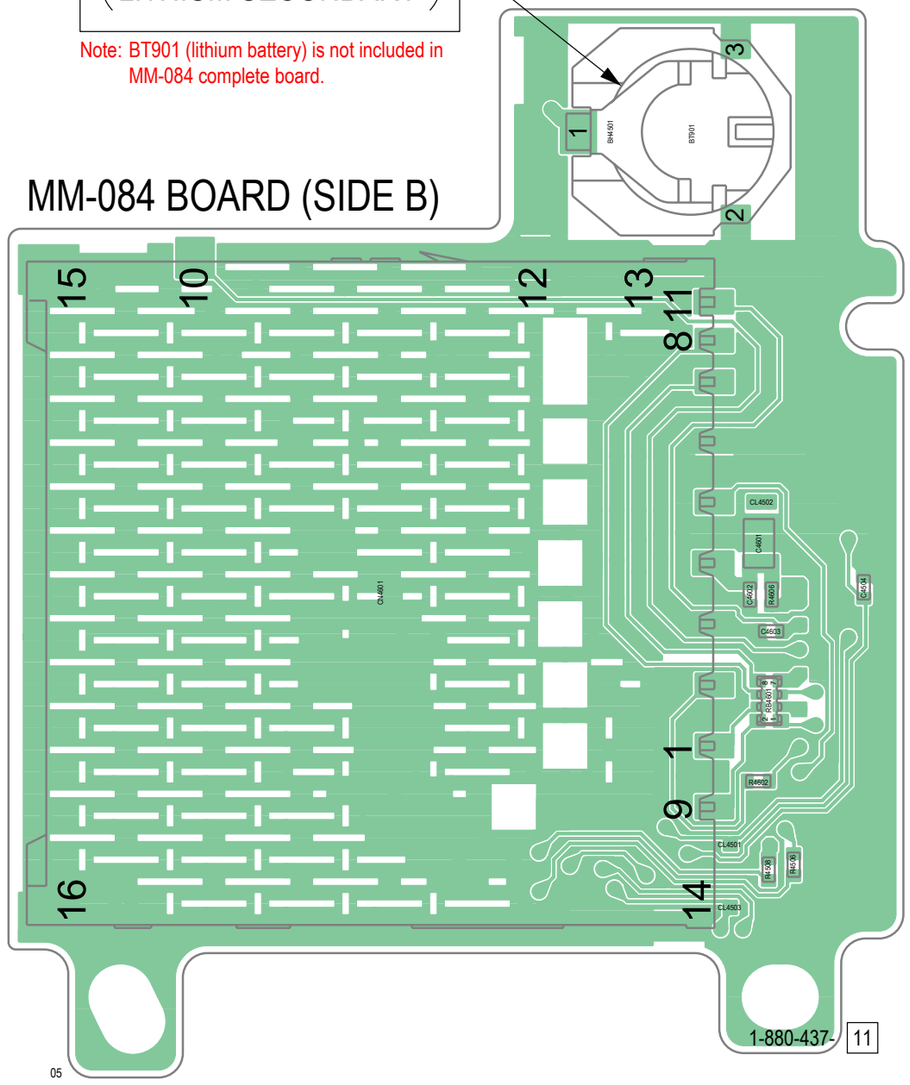
MEMORY STICK PRO DUO

SD

BT901
BATTERY,
LITHIUM SECONDARY

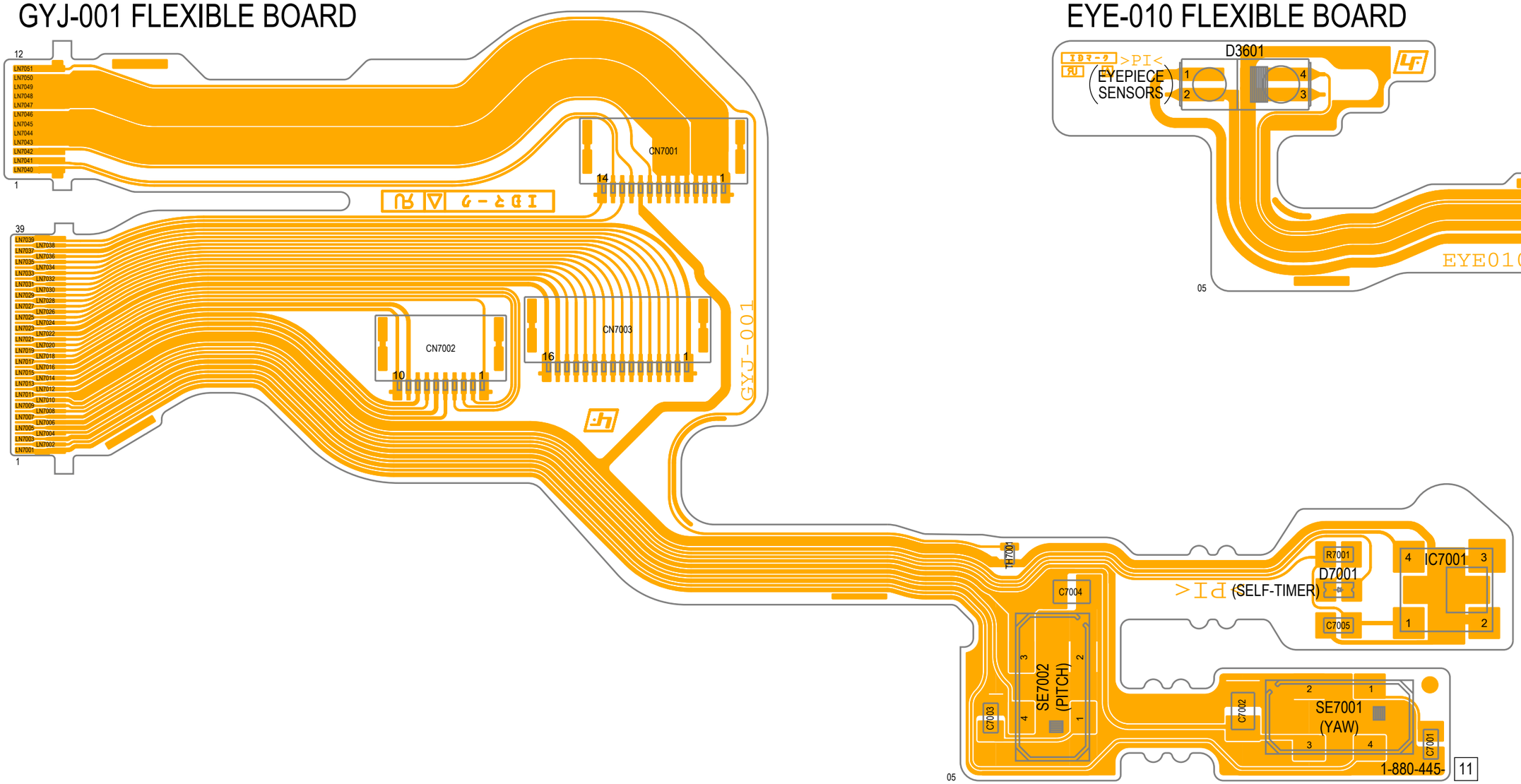
Note: BT901 (lithium battery) is not included in MM-084 complete board.

MM-084 BOARD (SIDE B)

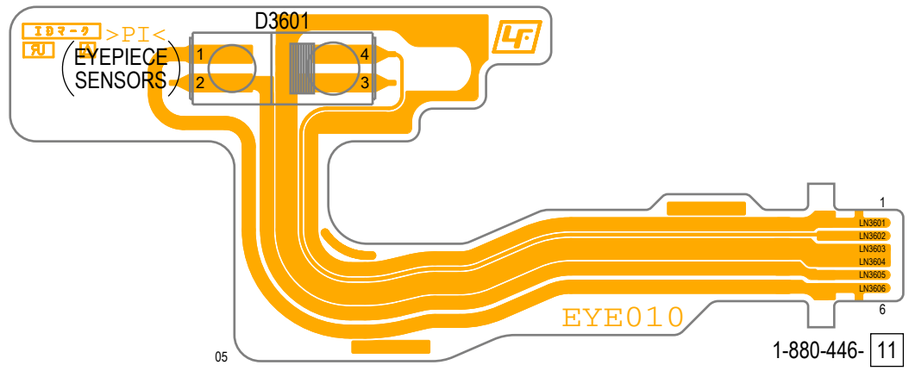


GYJ-001 (1 layer), EYE-010 (1 layer) : Uses unleaded solder.

GYJ-001 FLEXIBLE BOARD

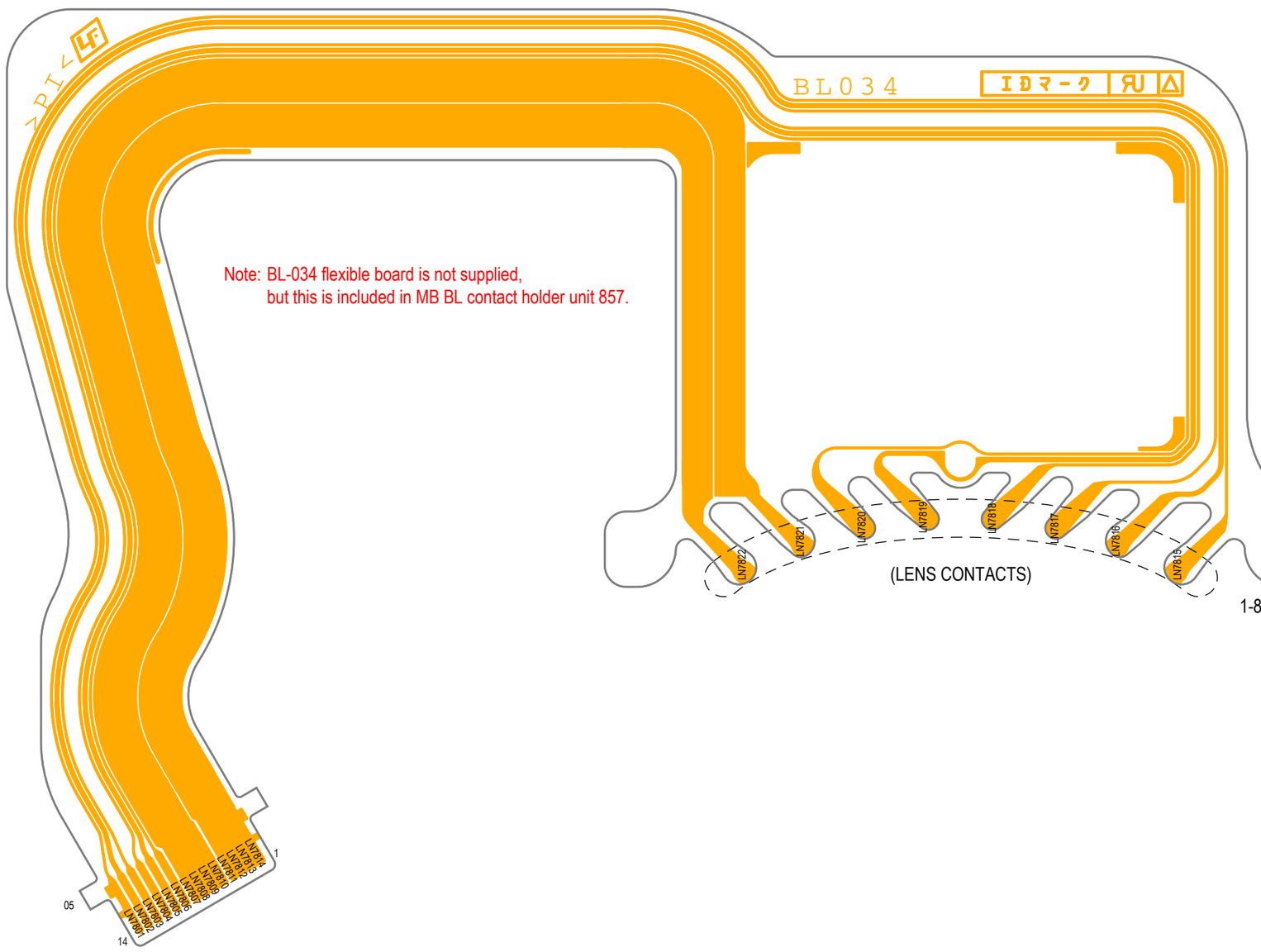


EYE-010 FLEXIBLE BOARD



BL-034 (1 layer) : Uses unleaded solder.

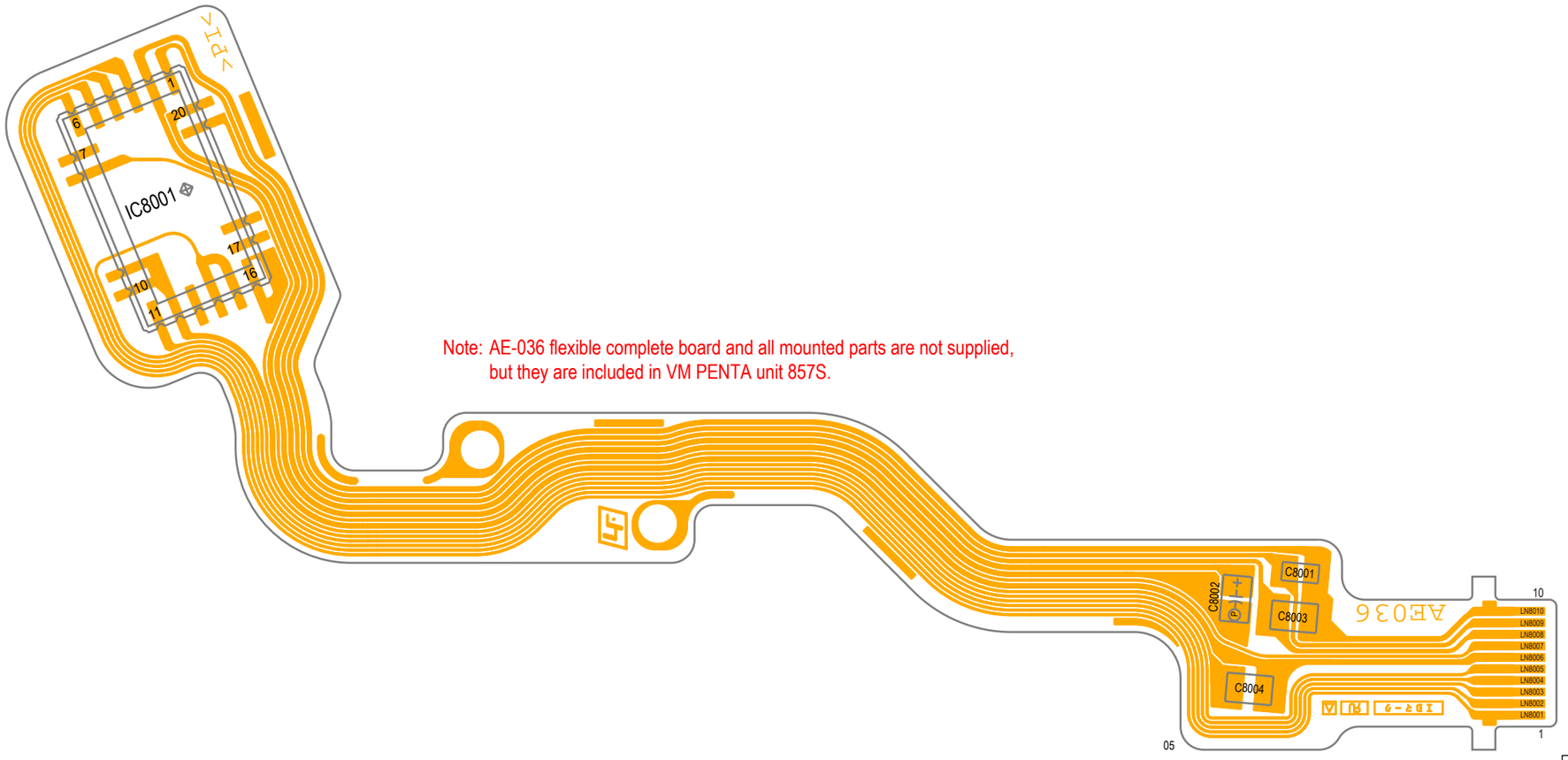
BL-034 FLEXIBLE BOARD



1-880-355- 11

AE-036 (1 layer), AF-119 (1 layer) : Uses unleaded solder.

AE-036 FLEXIBLE BOARD

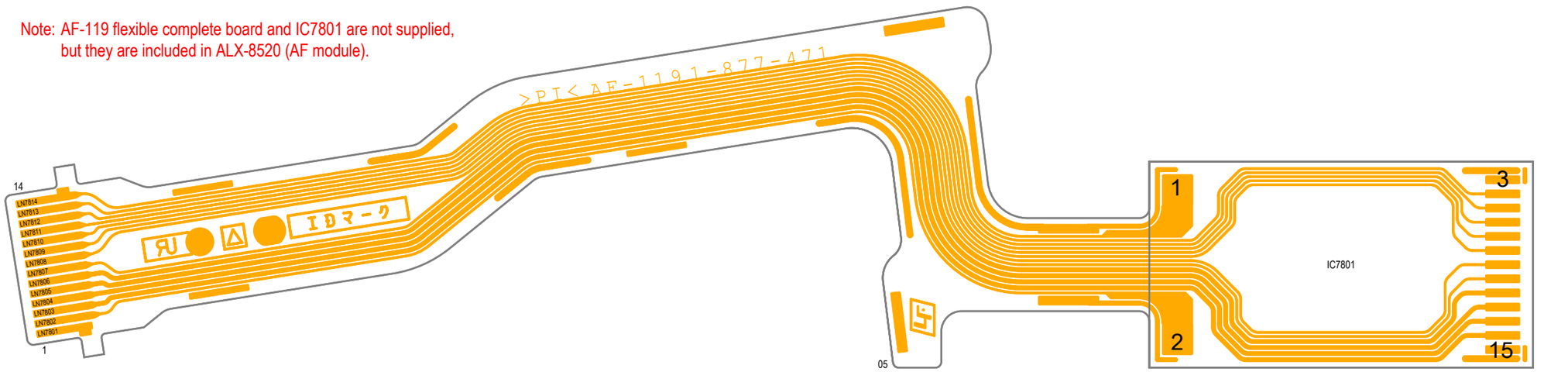


Note: AE-036 flexible complete board and all mounted parts are not supplied, but they are included in VM PENTA unit 857S.

1-880-354- 11

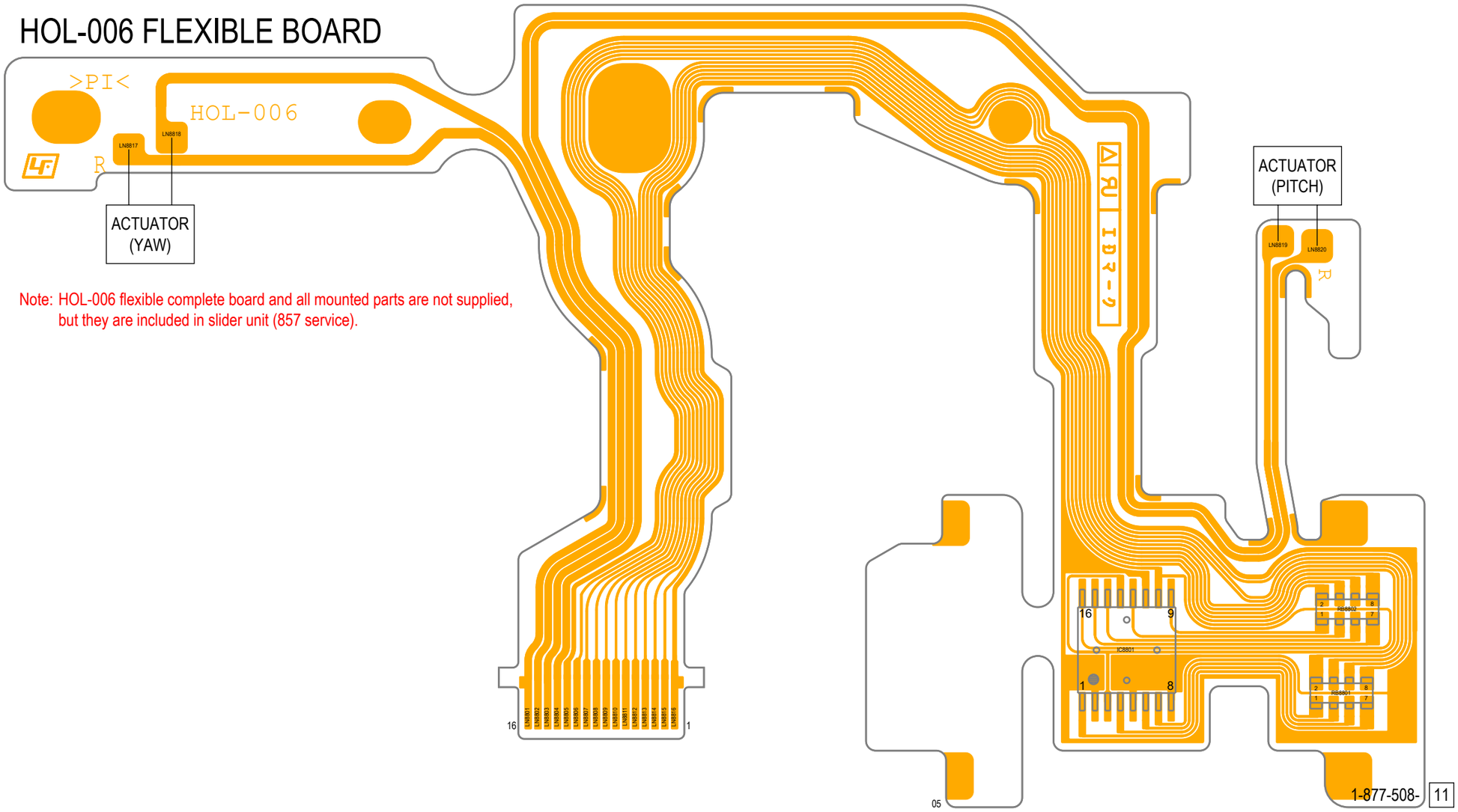
AF-119 FLEXIBLE BOARD

Note: AF-119 flexible complete board and IC7801 are not supplied, but they are included in ALX-8520 (AF module).



1-877-471- 11

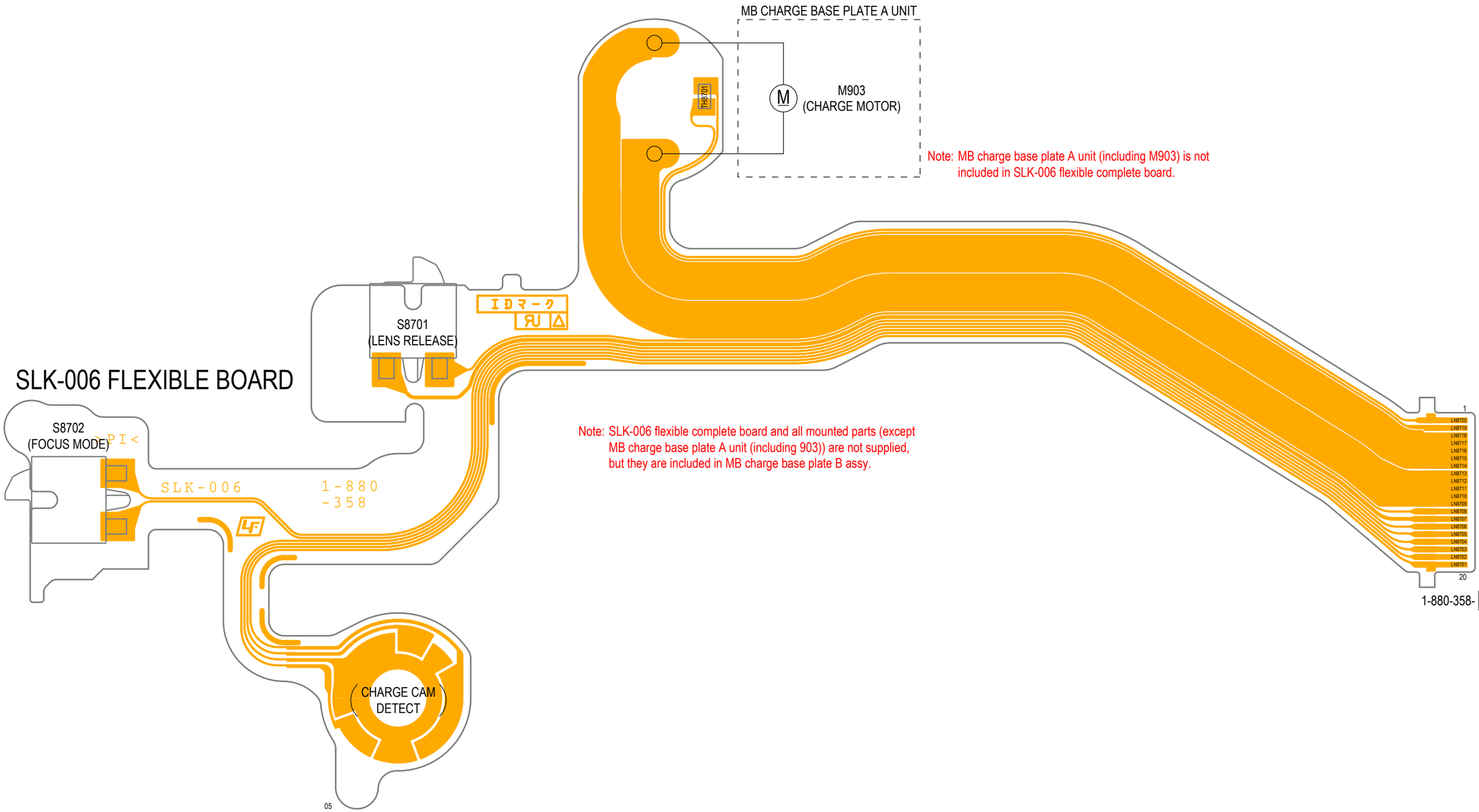
HOL-006 (1 layer) : Uses unleaded solder.



Note: HOL-006 flexible complete board and all mounted parts are not supplied, but they are included in slider unit (857 service).

SLK-006 (1 layer) : Uses unleaded solder.

SLK-006 FLEXIBLE BOARD



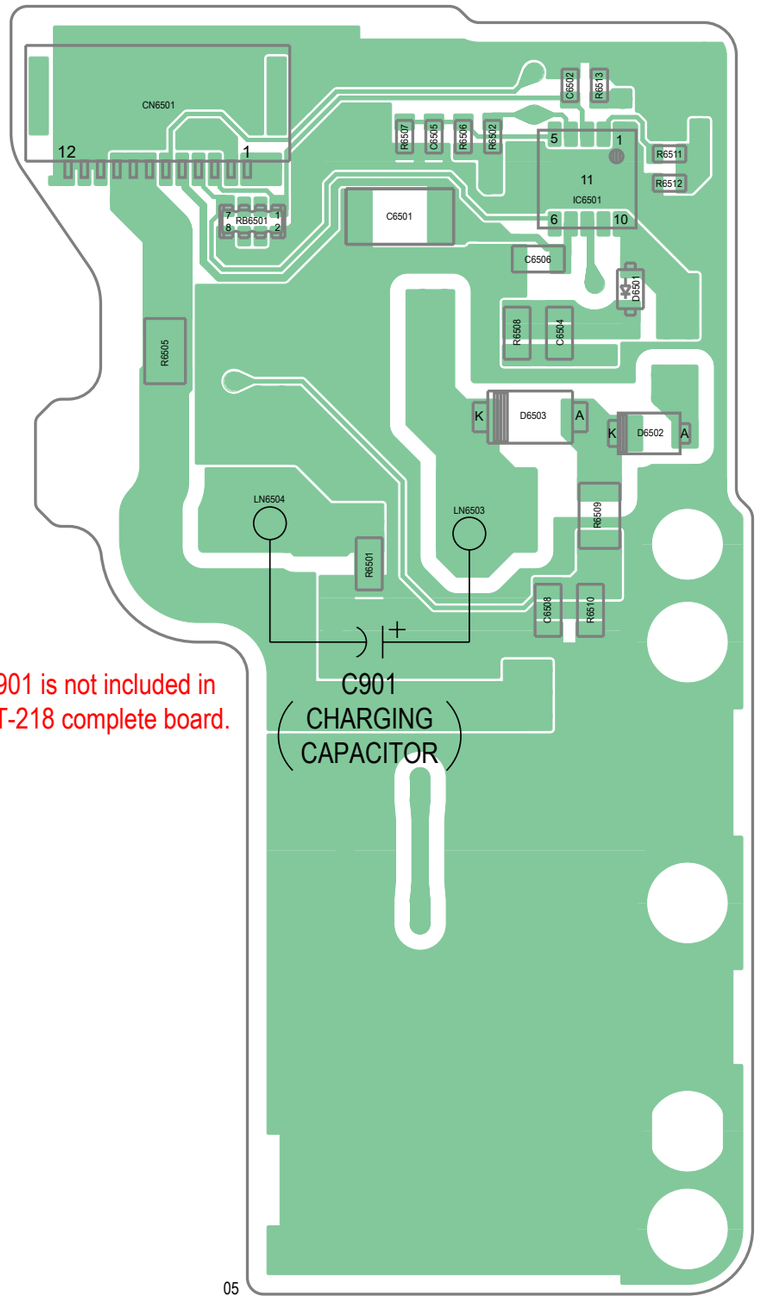
Note: MB charge base plate A unit (including M903) is not included in SLK-006 flexible complete board.

Note: SLK-006 flexible complete board and all mounted parts (except MB charge base plate A unit (including 903)) are not supplied, but they are included in MB charge base plate B assy.

1-880-358- 11

ST-218 (2 layers) : Uses unleaded solder.

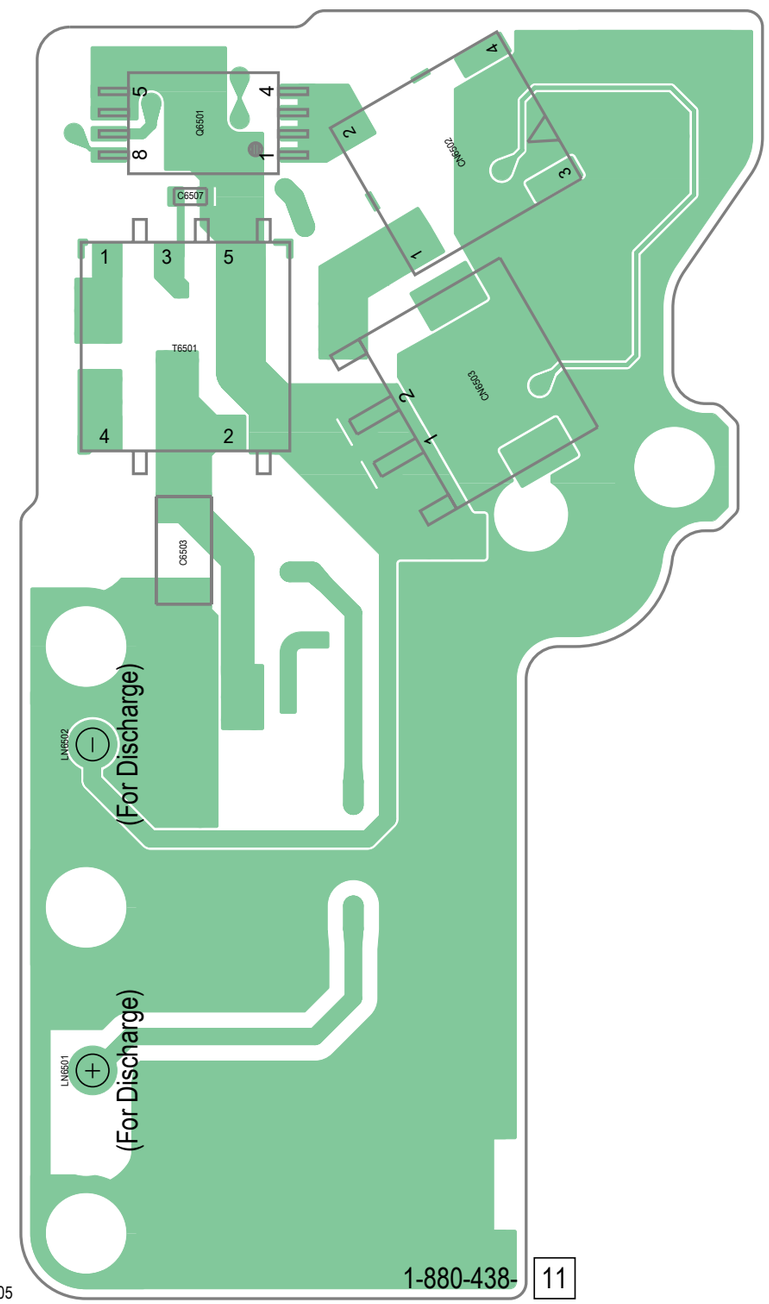
ST-218 BOARD (SIDE A)



Note: C901 is not included in ST-218 complete board.

1-880-438- 11

ST-218 BOARD (SIDE B)



1-880-438- 11

7. ELECTRICAL PARTS LIST

AM-019

(ENGLISH)

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- CAPACITORS:
  uF: µF
- COILS
  uH: µH
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Caution
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.
Dispose of used batteries according to the instructions.

Note 1: Ferrite beads are mounted to the location where R1263 to R1270, and R1824 are printed. (A500 only)

Note 2: Be sure to read "Precautions for Replacement of Imager" on page 6-1 when changing the imager.

Note 3: Replace the battery holder (BH4501) together when replacing the lithium battery (BT901) on the MM-084 board. (the battery holder removed once cannot be used again.)
When mounting these parts, mount new battery holder first and attach new lithium battery next.

(JAPANESE)

【使用上の注意】

- ここに記載されている部品は，補修用部品であるため，回路図及びセットに付いている部品と異なる場合があります。
- -XX, -Xは標準化部品のため，セットに付いている部品と異なる場合があります。
- *印の部品は常備在庫しておりません。
- コンデンサの単位でuFはµFを示します。
- 抵抗の単位Ωは省略してあります。
  金　　被：金属被膜抵抗。
  サンキン：酸化金属被膜抵抗。
- インダクタの単位でuHはµHを示します。
- 半導体の名称でuA..., uPA..., uPB..., uPC..., uPD...等はそれぞれµA..., µPA..., µPB..., µPC..., µPD...を示します。

お願い
図面番号で部品を指定するときは基板名又はブロックを併せて指定してください。

⚠印の部品，または⚠印付の点線で囲まれた部品は，安全性を維持するために，重要な部品です。
従って交換時は，必ず指定の部品を使用してください。

Caution
電池の交換は，正しく行わないと破裂する恐れがあります。
電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。
使用済み電池は，取扱指示に従って処分してください。

Note 1: R1263 ～ R1270，R1824にはフェライトビーズがマウントされています。（A500のみ）

Note 2: イメージャの交換時は6-1ページの"イメージャ交換時の注意"を必ずお読みください。

Note 3: MM-084基板のリチウム電池（BT901）を交換する場合はバッテリホルダ（BH4501）も同時に新品に交換してください。（一度使用したバッテリホルダは再使用できません。）
部品取り付けの際は，先にバッテリホルダを取り付けてからリチウム電池を装着してください。

Ref. No.	Part No.	Description			
	A-1735-906-A	AM-019 BOARD, COMPLETE (SERVICE) (A500)			
	A-1735-908-A	AM-019 BOARD, COMPLETE (SERVICE) (A550)			
		**********			
	(X2901 is not supplied, but this is included in AM-019 complete board.)				
		< CAPACITOR >			
C0002	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C0004	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C0009	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0010	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0011	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C0012	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C0018	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C0019	1-100-581-81	CERAMIC CHIP	0.0047uF	10%	50V
C0021	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C0022	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C0023	1-100-055-21	CERAMIC CHIP	22uF	20%	16V
C0024	1-100-055-21	CERAMIC CHIP	22uF	20%	16V
* C0025	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
* C0026	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V
C0027	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0028	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C0030	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C0031	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C0032	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0033	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C0034	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C0035	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0036	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0037	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0038	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0039	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0040	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0041	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0042	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0043	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C0044	1-100-591-91	CERAMIC CHIP	1uF	10%	25V (A550)
C0045	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C0046	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C0047	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C0048	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C0049	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C0050	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C0051	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C0052	1-131-860-11	TANTAL. CHIP	4.7uF	20%	10V
C0053	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C0054	1-100-591-91	CERAMIC CHIP	1uF	10%	25V (A550)
C0055	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C0056	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C0057	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C0058	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (A500)
C0059	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
* C0060	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C0061	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C0063	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (A500)
C0064	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (A500)
C0066	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C0067	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C0068	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V (A500)
C0069	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (A500)
C0072	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V (A500)
C0073	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C0076	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C0081	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C0082	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C1001	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1002	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1003	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1004	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1005	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1006	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1007	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1009	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1010	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1011	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1012	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1013	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1014	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1015	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1016	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1017	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1019	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1020	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1021	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1023	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1024	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1025	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1026	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1101	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1102	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1104	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1106	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1109	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1112	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1113	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1114	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1116	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1118	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1119	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1122	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1123	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1124	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1125	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1127	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1201	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1204	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1205	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1210	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1213	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1215	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1216	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1217	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1218	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1219	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V

Ref. No.	Part No.	Description			
C1220	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1221	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1222	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1223	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1224	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1226	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1301	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1302	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1304	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1305	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1306	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1307	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1308	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1309	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1310	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1403	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1404	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1601	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1602	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1603	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C1604	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1605	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1606	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C1607	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1608	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1609	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C1610	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1611	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1612	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C1613	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1614	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1615	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1617	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1618	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1619	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1620	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1621	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1622	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1624	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1625	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1626	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1627	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1628	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1629	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1630	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1631	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1633	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1634	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1701	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V (A500)
C1702	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C1703	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V (A550)
C1704	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V (A500)
C1705	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V (A550)
C1706	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C1707	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V (A500)

Ref. No.	Part No.	Description			
C1708	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V (A550)
C1708	1-100-581-81	CERAMIC CHIP	0.0047uF	10%	50V (A500)
C1710	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V (A500)
C1712	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V (A550)
C1712	1-100-581-81	CERAMIC CHIP	0.0047uF	10%	50V (A500)
C1714	1-100-581-81	CERAMIC CHIP	0.0047uF	10%	50V (A500)
C1715	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V (A500)
C1717	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V (A500)
C1719	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (A500)
C1720	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V (A550)
C1721	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1801	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V (A550)
C1802	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (A550)
C1803	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (A550)
C2902	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2903	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C2904	1-100-672-11	CERAMIC CHIP	10uF	20%	16V
C2905	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V
C2906	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C2910	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V
* C2911	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V
* C2912	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V
C2915	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2916	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C2918	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
* C2919	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V
C2920	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2922	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2923	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2924	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2926	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2928	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C2929	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
* C2930	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C2931	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
* C2934	1-112-298-91	CERAMIC CHIP	1uF	10%	16V
C2935	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2936	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V
C3001	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3002	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3005	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3007	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3010	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3012	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3013	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3018	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3020	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3022	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3023	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3024	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			
C3027	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C3028	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C3031	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3032	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3033	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3035	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3036	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3038	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3039	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3101	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3102	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3103	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3104	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3105	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C3106	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C3201	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3202	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3204	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3205	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3207	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3208	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3209	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3309	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3311	1-164-942-11	CERAMIC CHIP	0.0068uF	10%	16V
C3312	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3313	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3314	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3315	1-127-988-81	CERAMIC CHIP	0.015uF	10%	16V
C3316	1-164-942-11	CERAMIC CHIP	0.0068uF	10%	16V
C3317	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C3318	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3319	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3320	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3321	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C3322	1-127-988-81	CERAMIC CHIP	0.015uF	10%	16V
C3323	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3325	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C3327	1-100-055-11	CERAMIC CHIP	22uF	20%	16V
C3328	1-100-055-11	CERAMIC CHIP	22uF	20%	16V
C3330	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3331	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3332	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C3333	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C3334	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C3335	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C3336	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C3337	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C3338	1-100-696-91	CERAMIC CHIP	1uF	10%	6.3V
C3401	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3402	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3403	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
* C3404	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V
C3405	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3406	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3407	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3408	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3409	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3410	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3502	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3503	1-165-908-11	CERAMIC CHIP	1uF	10%	10V

Ref. No.	Part No.	Description			
C3507	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3601	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3602	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3603	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3604	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V
C3605	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C3701	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3702	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3704	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C3709	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C3801	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V

< CONNECTOR >

CN0501	1-580-789-21	PIN, CONNECTOR (SMD) 6P	
CN1202	1-821-724-21	CONNECTOR, SQUARE TYPE (USB) 5P	
CN1301	1-821-166-21	HDMI CONNECTOR	
CN1401	1-785-433-21	CONNECTOR, BOARD TO BOARD 40P	
* CN1701	1-821-501-11	CONNECTOR, FPC (ZIF) 51P	
* CN1702	1-821-501-11	CONNECTOR, FPC (ZIF) 51P (A550)	
* CN1703	1-821-503-11	CONNECTOR, FPC (ZIF) 39P (A500)	
* CN1801	1-817-830-71	CONNECTOR, FPC (ZIF) 33P	
* CN2901	1-819-659-81	CONNECTOR, FPC (ZIF) 23P	
* CN3004	1-821-502-11	CONNECTOR, FPC (ZIF) 29P	
CN3101	1-816-646-61	FFC/FPC CONNECTOR (LIF) 16P	
* CN3201	1-821-502-11	CONNECTOR, FPC (ZIF) 29P	
CN3301	1-816-646-61	FFC/FPC CONNECTOR (LIF) 16P	
CN3401	1-816-648-61	FFC/FPC CONNECTOR (LIF) 20P	
CN3402	1-816-654-61	FFC/FPC CONNECTOR (LIF) 6P	
* CN3403	1-816-649-51	FFC/FPC CONNECTOR (LIF) 22P	
CN3601	1-816-654-61	FFC/FPC CONNECTOR (LIF) 6P	
* CN3701	1-816-650-51	FFC/FPC CONNECTOR (LIF) 24P	
CN3702	1-816-645-61	FFC/FPC CONNECTOR (LIF) 14P	
* CN3704	1-821-503-11	CONNECTOR, FPC (ZIF) 39P	
* CN3705	1-816-644-51	FFC/FPC CONNECTOR (LIF) 12P	
CN3706	1-816-654-61	FFC/FPC CONNECTOR (LIF) 6P	
* CN3707	1-822-245-51	CONNECTOR, FPC (LIF (NON-ZIF))	

< DIODE >

* D0001	6-502-150-01	DIODE	MA2SD320G8S0
* D0002	6-502-150-01	DIODE	MA2SD320G8S0
* D0004	6-502-150-01	DIODE	MA2SD320G8S0
* D0005	6-502-150-01	DIODE	MA2SD320G8S0
* D0007	6-502-150-01	DIODE	MA2SD320G8S0
* D0008	6-502-150-01	DIODE	MA2SD320G8S0
* D0009	6-502-797-01	DIODE	015AZ18-X (L3SONY, F
* D0010	6-502-150-01	DIODE	MA2SD320G8S0 (A500)
* D0011	6-502-150-01	DIODE	MA2SD320G8S0
D0012	6-501-568-01	DIODE	RB521CS-30T2R (A550)
D0013	6-501-568-01	DIODE	RB521CS-30T2R (A550)
D0014	8-719-066-98	DIODE	RB051L-40TE25
* D0016	6-502-150-01	DIODE	MA2SD320G8S0 (A500)
D0017	8-719-073-35	DIODE	RB551V-30TE-17
* D0504	6-501-961-01	DIODE	MAZS120G08S0
* D0505	6-502-150-01	DIODE	MA2SD320G8S0
* D0506	6-502-150-01	DIODE	MA2SD320G8S0
* D1203	6-502-150-01	DIODE	MA2SD320G8S0
* D1204	6-502-150-01	DIODE	MA2SD320G8S0
* D1205	6-502-150-01	DIODE	MA2SD320G8S0
D1301	6-500-854-01	DIODE	1SS413 (TPL3)
* D1303	6-502-150-01	DIODE	MA2SD320G8S0
* D1304	6-502-150-01	DIODE	MA2SD320G8S0

Ref. No.	Part No.	Description
* D1305	6-501-955-01	DIODE MAZS056G08S0
* D1402	6-502-150-01	DIODE MA2SD320G8S0
* D1403	6-502-150-01	DIODE MA2SD320G8S0
* D1404	6-502-150-01	DIODE MA2SD320G8S0
D1405	6-502-193-01	DIODE SML-D12V8WT86SN
D2901	6-501-106-01	DIODE 1SS387CT (TL3SONY)
* D3001	6-502-150-01	DIODE MA2SD320G8S0
D3002	8-719-056-23	DIODE MA2S111-(K8).SO
* D3003	6-502-150-01	DIODE MA2SD320G8S0
* D3004	6-502-150-01	DIODE MA2SD320G8S0
D3005	8-719-056-23	DIODE MA2S111-(K8).SO
* D3007	6-502-150-01	DIODE MA2SD320G8S0
* D3008	6-502-150-01	DIODE MA2SD320G8S0
* D3009	6-502-150-01	DIODE MA2SD320G8S0
* D3010	6-502-150-01	DIODE MA2SD320G8S0
* D3012	6-502-150-01	DIODE MA2SD320G8S0
* D3104	6-502-150-01	DIODE MA2SD320G8S0
* D3105	6-502-150-01	DIODE MA2SD320G8S0
* D3106	6-502-150-01	DIODE MA2SD320G8S0
* D3107	6-502-150-01	DIODE MA2SD320G8S0
* D3108	6-502-150-01	DIODE MA2SD320G8S0
* D3109	6-502-150-01	DIODE MA2SD320G8S0
* D3110	6-502-150-01	DIODE MA2SD320G8S0
* D3111	6-502-150-01	DIODE MA2SD320G8S0
* D3112	6-502-150-01	DIODE MA2SD320G8S0
* D3113	6-502-150-01	DIODE MA2SD320G8S0
* D3114	6-502-150-01	DIODE MA2SD320G8S0
* D3115	6-502-150-01	DIODE MA2SD320G8S0
* D3116	6-502-150-01	DIODE MA2SD320G8S0
* D3201	6-502-150-01	DIODE MA2SD320G8S0
D3401	8-719-083-85	DIODE UDZSUSTE-1722B
D3402	8-719-083-85	DIODE UDZSUSTE-1722B
* D3701	6-502-150-01	DIODE MA2SD320G8S0
* D3703	6-502-135-01	DIODE CMG03 (T2L, SONY, Q)
* D3704	6-502-135-01	DIODE CMG03 (T2L, SONY, Q)
* D3705	6-502-135-01	DIODE CMG03 (T2L, SONY, Q)
* D3707	6-502-150-01	DIODE MA2SD320G8S0
* D3708	6-501-930-01	DIODE MAZW068HGLS0
D3709	8-719-084-17	DIODE EMZ6.8ET2R
* D3710	6-501-930-01	DIODE MAZW068HGLS0
		< FUSE >
⚠F0001	1-576-958-31	FUSE (4A/24V)
⚠F0007	1-576-406-31	FUSE (1.4A/32V)
⚠* F0501	1-576-874-31	FUSE (2.5A/32V)
⚠* F0502	1-576-874-31	FUSE (2.5A/32V)
⚠F0504	1-576-958-31	FUSE (4A/24V)
⚠F3001	1-576-406-31	FUSE (1.4A/32V)
		< FERRITE BEAD >
FB1201	1-400-723-11	INDUCTOR, FERRITE BEAD (1005)
FB1202	1-400-723-11	INDUCTOR, FERRITE BEAD (1005)
FB2901	1-400-331-11	FERRITE, EMI (SMD) (1005)
FB2902	1-400-331-11	FERRITE, EMI (SMD) (1005)
FB2903	1-400-331-11	FERRITE, EMI (SMD) (1005)
FB2904	1-400-331-11	FERRITE, EMI (SMD) (1005)
FB2905	1-400-331-11	FERRITE, EMI (SMD) (1005)
FB2906	1-400-331-11	FERRITE, EMI (SMD) (1005)

Ref. No.	Part No.	Description
		< FILTER >
FL1001	1-234-939-21	FILTER, EMI REMOVAL (SMD)
FL1002	1-234-939-21	FILTER, EMI REMOVAL (SMD)
FL1003	1-234-939-21	FILTER, EMI REMOVAL (SMD)
		< IC >
* IC0001	6-713-982-01	IC BD8303MUV-E2
* IC0002	6-808-617-01	IC MB44C017BBGF-G-ERE1
IC0003	6-708-335-01	IC TK72200CS2GOB-C
IC0004	6-708-335-01	IC TK72200CS2GOB-C (A500)
* IC0005	6-711-661-01	IC NJM2878F4-05 (TE2)
* IC0006	6-713-979-01	IC S-1200B30-I6T2G
* IC1001	8-753-332-13	IC CXD4115GG-T6
* IC1002	6-714-458-01	IC CXD9974GG
* IC1003	6-712-189-01	IC EDE5116AJBG-6E-E (A500)
IC1003	6-713-838-01	IC EDE1116AEBG-8E-F-TR (A550)
* IC1004	6-712-189-01	IC EDE5116AJBG-6E-E (A500)
IC1004	6-713-838-01	IC EDE1116AEBG-8E-F-TR (A550)
IC1005	A-1735-671-A	PF48F3000M0Y0QE-002
* IC1302	6-713-468-01	IC ADV7521NKBCBZRL-80
* IC1303	6-711-682-01	IC NJU7741F05 (TE2)
IC1701	6-710-532-01	IC NJM2878F4-25 (TE2) (A500)
IC1702	6-700-262-01	IC NJM2870F45 (TE2)
IC1703	6-700-262-01	IC NJM2870F45 (TE2) (A550)
* IC1801	6-712-050-01	IC SN65LVDS301ZQER (A550)
* IC2902	6-713-529-01	IC AD80148ABBCZRL
IC2903	6-710-731-01	IC NJM2831F12 (TE2)
* IC3001	6-808-777-01	IC 19A44FDXBG-0101 (EL
* IC3004	6-709-668-01	IC S-812C45BPI-C4ZTFG
* IC3005	6-708-446-01	IC R1114Q311D-TR-FA
* IC3101	6-714-058-01	IC BU7050GUW-E2
IC3201	6-705-027-01	IC BD4840FVE-TR
* IC3202	6-714-057-01	IC BD4827FVE-TR
* IC3203	6-714-408-01	IC MB91F233LALGV-G-12-ERE1
* IC3301	6-714-059-01	IC uPD168165K9-9E5-E1-AT
* IC3401	6-713-980-01	IC LV8406T-TLM-E
* IC3402	6-713-981-01	IC LV8400V-TLM-E
* IC3403	6-709-663-01	IC XC6201P552PR
* IC3501	6-807-572-01	IC uPD79F0043FC-402-2N1-E2-A
* IC3502	6-807-572-01	IC uPD79F0043FC-402-2N1-E2-A
* IC3601	6-713-966-01	IC QPDS-M906
IC3602	6-702-302-01	IC TK11133CSCL-G
* IC3701	6-711-661-01	IC NJM2878F4-05 (TE2)
* IC3801	6-714-263-01	IC BU9798GUW-E2
		< COIL >
L0001	1-457-439-11	INDUCTOR 4.7uH
* L0002	1-457-802-21	INDUCTOR 15uH
L0003	1-456-135-11	INDUCTOR 4.7uH
* L0004	1-457-522-21	INDUCTOR 4.7uH
* L0005	1-457-522-21	INDUCTOR 4.7uH
L0006	1-456-135-11	INDUCTOR 4.7uH
* L0007	1-457-522-21	INDUCTOR 4.7uH
L0008	1-456-135-11	INDUCTOR 4.7uH
L0009	1-456-135-11	INDUCTOR 4.7uH
* L1001	1-400-411-21	INDUCTOR 4.7uH
* L1002	1-400-411-21	INDUCTOR 4.7uH
* L1003	1-400-411-21	INDUCTOR 4.7uH
* L1102	1-400-411-21	INDUCTOR 4.7uH
* L1201	1-400-411-21	INDUCTOR 4.7uH
* L1202	1-400-411-21	INDUCTOR 4.7uH

Ref. No.	Part No.	Description
L1301	1-400-588-11	INDUCTOR 10uH
* L1601	1-400-411-21	INDUCTOR 4.7uH
* L1602	1-400-411-21	INDUCTOR 4.7uH
* L1603	1-400-411-21	INDUCTOR 4.7uH
* L1604	1-400-411-21	INDUCTOR 4.7uH
L1701	1-400-588-11	INDUCTOR 10uH
* L1702	1-481-103-21	INDUCTOR 4.7uH (A500)
L1801	1-400-588-11	INDUCTOR 10uH (A550)
L2901	1-400-588-11	INDUCTOR 10uH
L2902	1-400-588-11	INDUCTOR 10uH
L2903	1-400-588-11	INDUCTOR 10uH
		< LINE FILTER >
LF1201	1-457-223-11	COMMON MODE CHOKE COIL
* LF1305	1-457-685-11	COMMON MODE CHOKE COIL
* LF1306	1-457-685-11	COMMON MODE CHOKE COIL
		< SENSOR >
* PH3001	1-480-391-21	SLANT SENSOR (HORIZONTAL/VERTICAL POSITION DETECT)
		< TRANSISTOR >
* Q0001	6-552-239-01	TRANSISTOR QS8K2TR
* Q0002	6-552-239-01	TRANSISTOR QS8K2TR
Q0003	6-551-620-01	TRANSISTOR 2SC4081T106QRS
Q0004	6-550-533-01	TRANSISTOR MCH5819-TL-E
* Q0005	6-551-766-01	TRANSISTOR UNR32A3G0LS0
Q0006	6-551-184-01	TRANSISTOR MCH6305-TL-E-S
* Q0007	6-551-766-01	TRANSISTOR UNR32A3G0LS0
Q0008	6-551-184-01	TRANSISTOR MCH6305-TL-E-S
* Q0010	6-551-766-01	TRANSISTOR UNR32A3G0LS0
Q0012	6-551-184-01	TRANSISTOR MCH6305-TL-E-S
Q0013	6-551-346-01	TRANSISTOR LSK3541FS8T2L
Q0014	6-550-119-01	TRANSISTOR DTC144EMFS6T2L
* Q0502	6-551-831-01	TRANSISTOR ECH8304-TL-E
Q0503	6-551-346-01	TRANSISTOR LSK3541FS8T2L
* Q0505	6-551-831-01	TRANSISTOR ECH8304-TL-E
* Q1201	6-551-868-01	TRANSISTOR UP04213G08S0
Q1301	6-550-119-01	TRANSISTOR DTC144EMFS6T2L
Q1302	6-550-790-01	TRANSISTOR SSM6N15FE (TE85R)
Q1305	6-550-576-01	TRANSISTOR SSM6E01TU
Q1401	6-550-576-01	TRANSISTOR SSM6E01TU
Q1402	6-550-576-01	TRANSISTOR SSM6E01TU
* Q1404	6-551-759-01	TRANSISTOR UNR31A1G0LS0
* Q1701	6-551-766-01	TRANSISTOR UNR32A3G0LS0
* Q1702	6-551-766-01	TRANSISTOR UNR32A3G0LS0 (A550)
Q1703	6-550-576-01	TRANSISTOR SSM6E01TU (A500)
* Q1704	6-551-766-01	TRANSISTOR UNR32A3G0LS0
* Q1708	6-551-833-01	TRANSISTOR MCH6408-TL-E
* Q1709	6-551-766-01	TRANSISTOR UNR32A3G0LS0
* Q1711	6-551-766-01	TRANSISTOR UNR32A3G0LS0 (A500)
Q1713	6-551-346-01	TRANSISTOR LSK3541FS8T2L
Q1715	6-550-576-01	TRANSISTOR SSM6E01TU (A500)
* Q1716	6-551-833-01	TRANSISTOR MCH6408-TL-E
* Q1718	6-551-833-01	TRANSISTOR MCH6408-TL-E (A500)
Q1719	6-551-346-01	TRANSISTOR LSK3541FS8T2L
Q1721	6-551-346-01	TRANSISTOR LSK3541FS8T2L (A500)
Q1722	6-550-576-01	TRANSISTOR SSM6E01TU (A500)
Q1723	6-552-115-01	TRANSISTOR 2SJ0674G0LS0 (A500)
Q1724	6-551-346-01	TRANSISTOR LSK3541FS8T2L (A550)

Ref. No.	Part No.	Description
Q1725	6-551-346-01	TRANSISTOR LSK3541FS8T2L
Q1726	6-551-346-01	TRANSISTOR LSK3541FS8T2L (A500)
Q1728	6-551-346-01	TRANSISTOR LSK3541FS8T2L (A500)
Q1729	6-551-346-01	TRANSISTOR LSK3541FS8T2L (A500)
Q1730	6-551-346-01	TRANSISTOR LSK3541FS8T2L (A500)
Q1731	6-551-346-01	TRANSISTOR LSK3541FS8T2L
Q1732	6-551-346-01	TRANSISTOR LSK3541FS8T2L (A500)
Q1733	6-551-346-01	TRANSISTOR LSK3541FS8T2L
Q1734	6-550-576-01	TRANSISTOR SSM6E01TU (A500)
Q1735	6-551-346-01	TRANSISTOR LSK3541FS8T2L (A500)
Q2903	6-552-115-01	TRANSISTOR 2SJ0674G0LS0
Q3001	6-550-576-01	TRANSISTOR SSM6E01TU
* Q3003	6-551-852-01	TRANSISTOR UP04313G08S0
Q3004	6-550-714-01	TRANSISTOR SCH1406-TL-E
Q3005	6-550-242-01	TRANSISTOR DTC114EMFS6T2L
Q3101	6-552-115-01	TRANSISTOR 2SJ0674G0LS0
* Q3102	6-551-867-01	TRANSISTOR UP04211G08S0
* Q3201	6-551-526-01	TRANSISTOR RJU003N03T106
* Q3301	6-551-766-01	TRANSISTOR UNR32A3G0LS0
* Q3302	6-552-123-01	TRANSISTOR ECH8652-S-TL-H
Q3401	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)
Q3601	6-550-119-01	TRANSISTOR DTC144EMFS6T2L
* Q3702	6-551-867-01	TRANSISTOR UP04211G08S0
Q3703	6-551-346-01	TRANSISTOR LSK3541FS8T2L
Q3704	6-551-184-01	TRANSISTOR MCH6305-TL-E-S
Q3705	6-551-184-01	TRANSISTOR MCH6305-TL-E-S
		< RESISTOR/FERRITE BEAD >
R0016	1-208-927-11	METAL CHIP 47K 0.5% 1/16W
R0017	1-218-929-11	METAL CHIP 10 5% 1/16W
R0018	1-208-711-11	METAL CHIP 15K 0.5% 1/16W
R0019	1-218-961-11	METAL CHIP 4.7K 5% 1/16W
R0020	1-220-802-11	METAL CHIP 3.3 5% 1/16W
R0021	1-208-927-11	METAL CHIP 47K 0.5% 1/16W
R0022	1-218-961-11	METAL CHIP 4.7K 5% 1/16W
R0023	1-208-715-11	METAL CHIP 22K 0.5% 1/16W
R0024	1-218-961-11	METAL CHIP 4.7K 5% 1/16W
R0025	1-208-931-11	METAL CHIP 68K 0.5% 1/16W
R0032	1-218-967-11	METAL CHIP 15K 5% 1/16W
R0039	1-211-969-11	METAL CHIP 10 0.5% 1/10W
R0045	1-208-935-11	METAL CHIP 100K 0.5% 1/16W
R0046	1-208-711-11	METAL CHIP 15K 0.5% 1/16W
R0047	1-208-715-11	METAL CHIP 22K 0.5% 1/16W
R0049	1-208-939-11	METAL CHIP 150K 0.5% 1/16W (A500)
R0050	1-208-923-11	METAL CHIP 33K 0.5% 1/16W (A500)
R0051	1-208-943-11	METAL CHIP 220K 0.5% 1/16W (A500)
R0059	1-218-989-11	METAL CHIP 1M 5% 1/16W
R0061	1-218-981-91	METAL CHIP 220K 5% 1/16W
R0081	1-218-989-11	METAL CHIP 1M 5% 1/16W
R0085	1-218-977-11	METAL CHIP 100K 5% 1/16W
R0088	1-218-973-11	METAL CHIP 47K 5% 1/16W
R0097	1-218-977-11	METAL CHIP 100K 5% 1/16W
R0098	1-218-941-81	METAL CHIP 100 5% 1/16W
R0100	1-218-961-11	METAL CHIP 4.7K 5% 1/16W (A550)
R0101	1-218-990-81	SHORT CHIP 0 (A500)
R0103	1-218-990-81	SHORT CHIP 0
R0104	1-218-929-11	METAL CHIP 10 5% 1/16W
R0501	1-218-953-11	METAL CHIP 1K 5% 1/16W

Ref. No.	Part No.	Description			
R0506	1-218-985-11	METAL CHIP	470K	5%	1/16W
R1002	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1007	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R1008	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R1101	1-218-990-81	SHORT CHIP	0 (A550)		
R1102	1-218-990-81	SHORT CHIP	0 (A500)		
R1103	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1106	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1107	1-218-990-81	SHORT CHIP	0 (A550)		
R1109	1-218-990-81	SHORT CHIP	0 (A500)		
R1111	1-218-990-81	SHORT CHIP	0 (A500)		
R1114	1-218-990-81	SHORT CHIP	0 (A550)		
R1115	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R1229	1-218-941-81	METAL CHIP	100	5%	1/16W
R1230	1-218-941-81	METAL CHIP	100	5%	1/16W
R1232	1-218-937-11	METAL CHIP	47	5%	1/16W
R1235	1-218-941-81	METAL CHIP	100	5%	1/16W
R1237	1-218-941-81	METAL CHIP	100	5%	1/16W
R1239	1-218-941-81	METAL CHIP	100	5%	1/16W
R1241	1-218-941-81	METAL CHIP	100	5%	1/16W
R1243	1-208-883-81	METAL CHIP	680	0.5%	1/16W
R1244	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R1246	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1254	1-218-990-81	SHORT CHIP	0 (A550)		
R1255	1-218-990-81	SHORT CHIP	0 (A500)		
R1256	1-218-937-11	METAL CHIP	47	5%	1/16W
R1262	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1263	1-218-990-81	SHORT CHIP	0 (A550)		
R1263	1-469-580-21	INDUCTOR, FERRITE BEAD (1005) (A500)			(Note 1)
R1264	1-218-990-81	SHORT CHIP	0 (A550)		
R1264	1-469-580-21	INDUCTOR, FERRITE BEAD (1005) (A500)			(Note 1)
R1265	1-218-990-81	SHORT CHIP	0 (A550)		
R1265	1-469-580-21	INDUCTOR, FERRITE BEAD (1005) (A500)			(Note 1)
R1266	1-218-990-81	SHORT CHIP	0 (A550)		
R1266	1-469-580-21	INDUCTOR, FERRITE BEAD (1005) (A500)			(Note 1)
R1267	1-218-990-81	SHORT CHIP	0 (A550)		
R1267	1-469-580-21	INDUCTOR, FERRITE BEAD (1005) (A500)			(Note 1)
R1268	1-218-990-81	SHORT CHIP	0 (A550)		
R1268	1-469-580-21	INDUCTOR, FERRITE BEAD (1005) (A500)			(Note 1)
R1269	1-218-990-81	SHORT CHIP	0 (A550)		
R1269	1-469-580-21	INDUCTOR, FERRITE BEAD (1005) (A500)			(Note 1)
R1270	1-218-990-81	SHORT CHIP	0 (A550)		
R1270	1-469-580-21	INDUCTOR, FERRITE BEAD (1005) (A500)			(Note 1)
R1306	1-208-885-11	METAL CHIP	820	0.5%	1/16W
R1307	1-218-939-11	METAL CHIP	68	5%	1/16W
R1308	1-218-970-11	METAL CHIP	27K	5%	1/16W
R1321	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1401	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1402	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1403	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1404	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1405	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1406	1-218-949-11	METAL CHIP	470	5%	1/16W
R1416	1-218-945-11	METAL CHIP	220	5%	1/16W
R1417	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1605	1-218-990-81	SHORT CHIP	0 (A550)		
R1606	1-218-990-81	SHORT CHIP	0 (A500)		
R1703	1-218-990-81	SHORT CHIP	0 (A550)		
R1704	1-218-990-81	SHORT CHIP	0 (A500)		
R1705	1-218-990-81	SHORT CHIP	0 (A550)		
R1706	1-218-990-81	SHORT CHIP	0 (A500)		
R1707	1-218-990-81	SHORT CHIP	0 (A550)		
R1708	1-218-990-81	SHORT CHIP	0 (A500)		
R1709	1-218-990-81	SHORT CHIP	0 (A550)		
R1710	1-218-990-81	SHORT CHIP	0 (A500)		
R1711	1-218-990-81	SHORT CHIP	0 (A500)		
R1713	1-218-990-81	SHORT CHIP	0 (A550)		
R1714	1-218-990-81	SHORT CHIP	0 (A500)		
R1716	1-218-977-11	METAL CHIP	100K	5%	1/16W (A500)
R1717	1-218-965-11	METAL CHIP	10K	5%	1/16W (A500)
R1724	1-218-990-81	SHORT CHIP	0 (A550)		
R1725	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1727	1-218-990-81	SHORT CHIP	0 (A550)		
R1729	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1732	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W (A550)
R1733	1-218-990-81	SHORT CHIP	0 (A550)		
R1734	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1736	1-218-977-11	METAL CHIP	100K	5%	1/16W (A550)
R1737	1-218-977-11	METAL CHIP	100K	5%	1/16W (A500)
R1738	1-218-977-11	METAL CHIP	100K	5%	1/16W (A500)
R1741	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1743	1-218-977-11	METAL CHIP	100K	5%	1/16W (A500)
R1745	1-218-965-11	METAL CHIP	10K	5%	1/16W (A500)
R1747	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1748	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1749	1-218-977-11	METAL CHIP	100K	5%	1/16W (A500)
R1751	1-218-977-11	METAL CHIP	100K	5%	1/16W (A500)
R1752	1-218-969-11	METAL CHIP	22K	5%	1/16W (A500)
R1753	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1755	1-218-953-11	METAL CHIP	1K	5%	1/16W (A500)
R1756	1-218-981-91	METAL CHIP	220K	5%	1/16W (A500)
R1757	1-218-977-11	METAL CHIP	100K	5%	1/16W (A500)
R1758	1-218-941-81	METAL CHIP	100	5%	1/16W (A550)
R1759	1-218-937-11	METAL CHIP	47	5%	1/16W
R1760	1-218-937-11	METAL CHIP	47	5%	1/16W (A500)
R1762	1-218-937-11	METAL CHIP	47	5%	1/16W (A500)
R1763	1-218-933-11	METAL CHIP	22	5%	1/16W (A500)
R1764	1-218-937-11	METAL CHIP	47	5%	1/16W (A500)
R1765	1-218-941-81	METAL CHIP	100	5%	1/16W
R1766	1-218-937-11	METAL CHIP	47	5%	1/16W (A500)
R1767	1-218-937-11	METAL CHIP	47	5%	1/16W
R1770	1-218-977-11	METAL CHIP	100K	5%	1/16W (A500)
R1771	1-218-969-11	METAL CHIP	22K	5%	1/16W (A500)
R1772	1-218-937-11	METAL CHIP	47	5%	1/16W (A500)
R1778	1-218-990-81	SHORT CHIP	0 (A550)		
R1779	1-218-990-81	SHORT CHIP	0 (A500)		
R1787	1-218-990-81	SHORT CHIP	0 (A550)		
R1795	1-218-990-81	SHORT CHIP	0 (A550)		
R1821	1-218-941-81	METAL CHIP	100	5%	1/16W (A500)
R1822	1-218-941-81	METAL CHIP	100	5%	1/16W (A500)
R1823	1-218-941-81	METAL CHIP	100	5%	1/16W (A500)
R1824	1-469-580-21	INDUCTOR, FERRITE BEAD (1005) (A500)			(Note 1)
R2905	1-218-977-11	METAL CHIP	100K	5%	1/16W
R2916	1-218-929-11	METAL CHIP	10	5%	1/16W
R2917	1-218-929-11	METAL CHIP	10	5%	1/16W
R2947	1-218-941-81	METAL CHIP	100	5%	1/16W
R2948	1-218-977-11	METAL CHIP	100K	5%	1/16W
R3001	1-218-977-11	METAL CHIP	100K	5%	1/16W
R3002	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3020	1-208-713-11	METAL CHIP	18K	0.5%	1/16W
R3021	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3040	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3043	1-218-929-11	METAL CHIP	10	5%	1/16W
R3044	1-218-945-11	METAL CHIP	220	5%	1/16W
R3050	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R3051	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3061	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3068	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3107	1-208-674-11	METAL CHIP	430	0.5%	1/16W
R3108	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R3117	1-218-949-11	METAL CHIP	470	5%	1/16W
R3123	1-218-945-11	METAL CHIP	220	5%	1/16W
R3208	1-218-951-11	METAL CHIP	680	5%	1/16W
R3209	1-218-989-11	METAL CHIP	1M	5%	1/16W
R3218	1-216-811-11	METAL CHIP	150	5%	1/10W
R3301	1-218-990-81	SHORT CHIP	0		
R3302	1-218-990-81	SHORT CHIP	0		
R3303	1-218-990-81	SHORT CHIP	0		
R3304	1-218-990-81	SHORT CHIP	0		
R3308	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3309	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R3313	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3314	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3315	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3316	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3317	1-243-640-91	RES-CHIP	0.47	1%	1/8W
R3318	1-243-640-91	RES-CHIP	0.47	1%	1/8W
R3319	1-218-606-11	METAL CHIP	2.2	5%	1W
R3320	1-218-608-11	METAL CHIP	3.3	5%	1W
R3321	1-218-606-11	METAL CHIP	2.2	5%	1W
R3322	1-218-608-11	METAL CHIP	3.3	5%	1W
R3602	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3603	1-216-150-91	METAL CHIP	10	5%	1/8W
R3604	1-218-989-11	METAL CHIP	1M	5%	1/16W
R3706	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3708	1-218-985-11	METAL CHIP	470K	5%	1/16W
R3711	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3712	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R3713	1-218-951-11	METAL CHIP	680	5%	1/16W
R3715	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R3717	1-216-809-11	METAL CHIP	100	5%	1/10W
R3718	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3729	1-218-977-11	METAL CHIP	100K	5%	1/16W
R3808	1-218-977-11	METAL CHIP	100K	5%	1/16W

< COMPOSITION CIRCUIT BLOCK >

Ref. No.	Part No.	Description			
* RB0501	1-234-384-21	RES, NETWORK	1M (1005X4)		
RB1101	1-234-944-21	RES, NETWORK	47 (1005X4)		
RB1201	1-234-400-21	CONDUCTOR, NETWORK	(1005X4) (A550)		
RB1202	1-234-400-21	CONDUCTOR, NETWORK	(1005X4) (A550)		
RB1203	1-234-400-21	CONDUCTOR, NETWORK	(1005X4) (A550)		
RB1204	1-234-400-21	CONDUCTOR, NETWORK	(1005X4) (A550)		
RB1301	1-234-376-11	RES, NETWORK	2.2K (1005X4)		
RB1302	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB1801	1-234-945-21	RES, NETWORK	100 (1005X4) (A500)		
RB1802	1-234-945-21	RES, NETWORK	100 (1005X4) (A500)		
* RB3001	1-234-379-21	RES, NETWORK	22K (1005X4)		
* RB3002	1-234-384-21	RES, NETWORK	1M (1005X4)		
RB3003	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB3004	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB3101	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB3102	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB3201	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB3202	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB3203	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB3204	1-234-381-21	RES, NETWORK	100K (1005X4)		
* RB3205	1-234-384-21	RES, NETWORK	1M (1005X4)		
RB3301	1-234-381-11	RES, NETWORK	100K (1005X4)		
RB3402	1-234-943-21	RES, NETWORK	22 (1005X4)		
RB3501	1-234-378-11	RES, NETWORK	10K (1005X4)		
RB3701	1-234-378-11	RES, NETWORK	10K (1005X4)		
RB3702	1-234-375-21	RES, NETWORK	1K (1005X4)		

< SWITCH >

S1401	1-786-148-11	SWITCH, PUSH (1 KEY)	

< VARISTOR >

* VD3701	1-802-128-11	VARISTOR (SMD)	

< VIBRATOR >

* X1201	1-813-403-81	QUARTZ CRYSTAL OSCILLATOR (12MHz)	
X2901	(Not supplied)	OSCILLATOR, CRYSTAL (27MHz)	
		(X2901 is supplied including in AM-019 complete board.)	
X3001	1-795-244-11	VIBRATOR, CERAMIC (10MHz)	
X3101	1-781-525-11	VIBRATOR, CRYSTAL (32.768kHz)	
X3201	1-781-646-21	VIBRATOR, CERAMIC (4MHz)	

[redacted]

	A-1735-726-A	EYE-010 BOARD, COMPLETE	
		**********	

< DIODE >

* D3601	1-487-295-11	SENSOR, APPROACH (EYEPIECE SENSORS)	

Ref. No.	Part No.	Description			
	A-1735-723-A	GYJ-001 BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C7001	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C7003	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C7004	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C7005	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
		< CONNECTOR >			
CN7001	1-816-645-61	FFC/FPC CONNECTOR (LIF) 14P			
* CN7002	1-816-643-51	FFC/FPC CONNECTOR (LIF) 10P			
CN7003	1-816-646-61	FFC/FPC CONNECTOR (LIF) 16P			
		< DIODE >			
D7001	6-502-193-01	DIODE SML-D12V8WT86SN			
		< IC >			
IC7001	6-600-163-01	IC RS-770			
		< RESISTOR >			
R7001	1-216-809-11	METAL CHIP	100	5%	1/10W
		< SENSOR >			
* SE7001	1-479-022-61	SENSOR, ANGULAR VELOCITY (32.2kHz) (YAW)			
* SE7002	1-479-022-51	SENSOR, ANGULAR VELOCITY (30.8kHz) (PITCH)			
		< THERMISTOR >			
TH7001	1-804-949-11	THERMISTOR, NTC (SMD)			
	1-880-440-11	IS-049 FLEXIBLE BOARD (A550)			
		**********			
	1-880-441-11	IS-050 FLEXIBLE BOARD (A500)			
		**********			
	1-880-442-11	IS-051 FLEXIBLE BOARD			
		**********			
	A-1736-424-A	UNIT, OMEGA (858) (A550) (Note 2)			
	(Not supplied)	IS-060 BOARD, COMPLETE (A550) (Note 2)			
		**********			
		(IS-060 complete board and all mounted parts (including IC4205 (CMOS imager)) are not supplied, but they are included in OMEGA unit (858).			
	A-1736-386-A	ASM UNIT (857) (A500) (Note 2)			
	(Not supplied)	IS-071 BOARD, COMPLETE (A500) (Note 2)			
		**********			
		(IS-071 complete board and all mounted parts (including IC4001 (CMOS imager)) are not supplied, but they are included in ASM unit (857).			
	1-880-443-11	LCD-014 FLEXIBLE BOARD			
		**********			
	A-1735-722-A	MM-084 BOARD, COMPLETE			
		**********			
		(BT901 (lithium battery) is not included in MM-084 complete board.)			

Ref. No.	Part No.	Description			
		< BATTERY HOLDER >			
⚠ BH4501	1-756-615-61	HOLDER, BATTERY (Note 3)			
		< BATTERY >			
⚠ BT901	1-756-134-12	BATTERY, STORAGE, LITHIUM (Note 3) (Caution)			
		< BUZZER >			
BZ4501	1-825-579-11	BUZZER, PIEZOELECTRIC			
		< CAPACITOR >			
C4501	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C4502	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4504	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C4601	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C4602	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
		< CONNECTOR >			
CN4501	1-785-432-21	CONNECTOR, BOARD TO BOARD 40P			
CN4502	1-819-991-21	CONNECTOR, MEMORY STICK 17P			
CN4601	1-822-411-21	CONNECTOR, CARD			
		< RESISTOR >			
R4506	1-218-941-81	METAL CHIP	100	5%	1/16W
R4508	1-218-941-81	METAL CHIP	100	5%	1/16W
		< COMPOSITION CIRCUIT BLOCK >			
RB4501	1-234-945-21	RES, NETWORK	100 (1005X4)		
RB4502	1-234-945-21	RES, NETWORK	100 (1005X4)		
RB4601	1-234-945-21	RES, NETWORK	100 (1005X4)		
	A-1735-727-A	PD-390 BOARD, COMPLETE (A500)			
	A-1735-729-A	PD-390 BOARD, COMPLETE (A550)			
		**********			
		< CAPACITOR >			
C6001	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6002	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C6003	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (A550)
C6004	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (A550)
C6005	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V (A550)
C6006	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (A550)
C6007	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V (A550)
C6008	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V (A550)
C6009	1-100-743-91	CERAMIC CHIP	2.2uF	20%	16V (A550)
C6010	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V (A550)
C6011	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V (A550)
* C6012	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V (A550)
C6013	1-100-696-91	CERAMIC CHIP	1uF	10%	6.3V (A550)
C6014	1-100-415-91	CERAMIC CHIP	0.47uF	10%	6.3V (A550)
C6016	1-100-696-91	CERAMIC CHIP	1uF	10%	6.3V (A550)
* C6018	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V (A550)
C6019	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (A550)
C6020	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (A550)
C6024	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V (A500)
* C6025	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V (A500)
* C6026	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V (A500)
C6027	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V (A500)
* C6028	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V (A500)
C6029	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V (A500)
C6030	1-112-021-91	CERAMIC CHIP	2.2uF	20%	16V (A500)
C6031	1-112-021-91	CERAMIC CHIP	2.2uF	20%	16V (A500)
C6032	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V (A500)
* C6033	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V (A500)
* C6034	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V (A500)
C6036	1-112-021-91	CERAMIC CHIP	2.2uF	20%	16V (A500)
C6037	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V (A500)
C6038	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V (A500)
C6041	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V (A500)
		< CONNECTOR >			
* CN6001	1-821-503-11	CONNECTOR, FPC (ZIF) 39P			
CN6002	1-816-654-61	FFC/FPC CONNECTOR (LIF) 6P			
* CN6003	1-822-038-81	CONNECTOR, FPC (ZIF) 61P (A550)			
* CN6004	1-821-202-81	CONNECTOR, FPC (ZIF) 45P (A500)			
		< DIODE >			
* D6001	6-502-150-01	DIODE MA2SD320G8S0 (A550)			
* D6002	6-502-150-01	DIODE MA2SD320G8S0 (A550)			
D6004	6-501-568-01	DIODE RB521CS-30T2R (A500)			
D6005	6-501-568-01	DIODE RB521CS-30T2R (A500)			
D6006	6-501-568-01	DIODE RB521CS-30T2R (A500)			
		< IC >			
* IC6001	6-712-051-01	IC SN65LVDS302ZQER (A550)			
		< COIL >			
L6001	1-400-588-11	INDUCTOR	10uH (A550)		
		< RESISTOR >			
R6005	1-218-990-81	SHORT CHIP	0 (A500)		
R6006	1-218-990-81	SHORT CHIP	0 (A500)		
R6007	1-218-990-81	SHORT CHIP	0 (A500)		
R6008	1-218-990-81	SHORT CHIP	0 (A500)		
R6009	1-218-990-81	SHORT CHIP	0 (A500)		
R6010	1-218-990-81	SHORT CHIP	0 (A500)		
R6011	1-218-990-81	SHORT CHIP	0 (A500)		
R6012	1-218-990-81	SHORT CHIP	0 (A500)		
R6014	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R6017	1-218-941-81	METAL CHIP	100	5%	1/16W (A550)
R6018	1-218-990-81	SHORT CHIP	0 (A550)		
R6019	1-218-990-81	SHORT CHIP	0 (A550)		
R6034	1-218-990-81	SHORT CHIP	0 (A550)		
R6039	1-218-990-81	SHORT CHIP	0 (A500)		
R6040	1-218-953-11	METAL CHIP	1K	5%	1/16W (A500)
R6041	1-218-977-11	METAL CHIP	100K	5%	1/16W (A500)
R6042	1-218-974-11	METAL CHIP	56K	5%	1/16W (A500)
		< COMPOSITION CIRCUIT BLOCK >			
RB6001	1-234-945-21	RES, NETWORK	100 (1005X4) (A500)		
	1-880-447-11	RM-098 FLEXIBLE BOARD			
		**********			
	A-1735-912-A	SHD-001 BOARD, COMPLETE			
		**********			
		< IC >			
IC7401	6-600-447-01	IC TPS853 (SONY, F)			
	A-1735-725-A	ST-218 BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C6501	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C6502	1-164-858-11	CERAMIC CHIP	22PF	5%	50V
C6503	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C6505	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
		< CONNECTOR >			
* CN6501	1-816-644-51	FFC/FPC CONNECTOR (LIF) 12P			
* CN6502	1-821-666-11	PIN, CONNECTOR			
* CN6503	1-580-055-21	PIN, CONNECTOR (SMD) 2P			
		< DIODE >			
⚠ * D6502	6-502-219-01	DIODE FV02R80TP			
⚠ D6503	6-501-119-01	DIODE RR264M-400			
		< IC >			
⚠ * IC6501	6-711-948-01	IC BD4216NUV-E2			
		< TRANSISTOR >			
⚠ * Q6501	6-552-144-01	TRANSISTOR	TIG052TS-TL-E		
		< RESISTOR >			
R6506	1-218-977-11	METAL CHIP	100K	5%	1/16W
* R6509	1-246-338-21	METAL CHIP	3M		1/8W
R6510	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R6511	1-218-939-11	METAL CHIP	68	5%	1/16W
R6512	1-218-989-11	METAL CHIP	1M	5%	1/16W

Ref. No.	Part No.	Description
R6513	1-218-990-81	SHORT CHIP 0
		< COMPOSITION CIRCUIT BLOCK >
RB6501	1-234-375-21	RES, NETWORK 1K (1005X4)
		< TRANSFORMER >
⚠* T6501	1-445-335-21	TRANSFORMER, D.C.-D.C.CONVERTER
	1-880-444-11	STG-001 FLEXIBLE BOARD **********